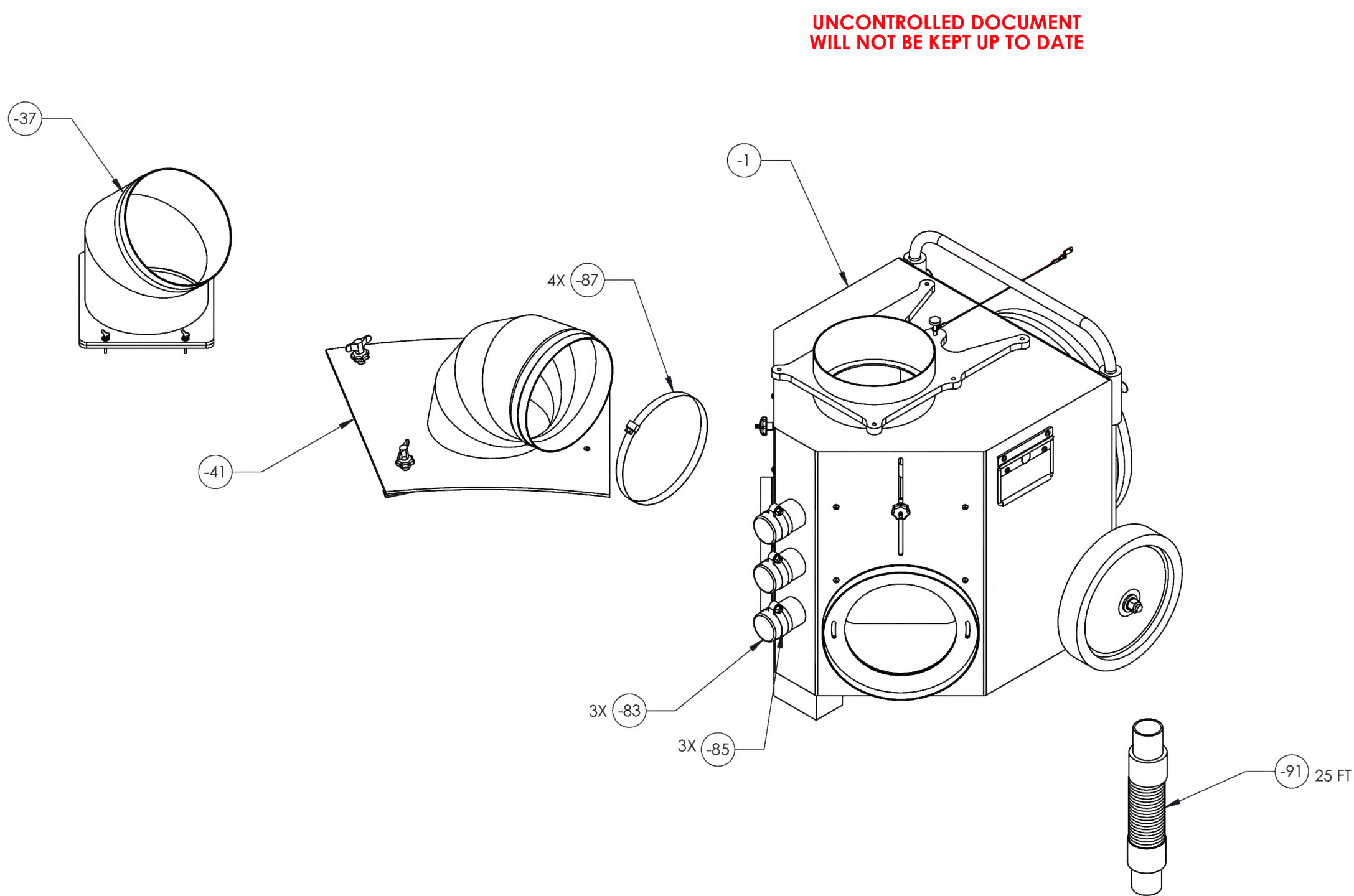


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
1	SHT 2 REMOVE ITEM -89 16" HOSE CLAMP. ITEM -113 & -115 QTY FROM 18 TO 12, -117 THRU -121 FROM 36 TO 24, ITEM -75 & -77 FROM QTY 28 TO 16. ADDED ITEMS -125 & -127. SHT 5 HOLE FROM 16.00 TO 15.30, 10 HOLES @ Ø.22 TO 6X Ø.28. SHT 12 OD FROM 16.00 TO 15.50. SHT 13 CHANGED FROM 10 HOLES @ Ø.22 TO 8 @ Ø.28, ID TO 15.30 FROM 15.84	2/18/2011	JAG

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HOSE CLAMP RETAINER:  
USE ON -97 & 16" HOSE  
3 PER HOSE END

RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:8	DATE 2/4/2011
SHEET 1 OF 32	


DRAWN BY: GILBERT
APPROVED <i>D Weil</i>
USED ON MODEL FIRE SCOUT MQ-8B

ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
						X		-1	1	SPLITTER BOX ASSY			3
					X	1		-3		SPLITTER BOX WELDMENT	ALUMINUM		4
					1			-5		BOX	ALUMINUM	1/8 TH	5
					2			-7		ADAPTER RING	ALUMINUM	.08 X 1 X 33-1/8	6
					2			-9		ADAPTER FLANGE	ALUMINUM	1/8 X 10-1/2 X 10-1/2	7
					3			-11		SMALL DUCT TUBE	ALUMINUM	2 X 1/8 WALL X 3-1/8	8
					1			-13		AXLE TUBE	ALUMINUM	Ø3/4 X .083 WALL X 20-1/2	9
					2			-15		HANDLE TUBE	ALUMINUM	Ø1-1/2 X 4-1/8	10
					1		B/O	-17		TOP GATE VENT	ALUMINUM	MCMaster-CARR #1788K16	4
				X		1		-19		SUPPLY DUCT WELDMENT			11
				1				-21		DUCT RING	ALUMINUM	.08 X 4 X 50-1/2	12
				1				-23		DUCT FLANGE	ALUMINUM	1/8 x 19-1/8 x 19-18	13
						1		-25		HANDLE	304 S.S.	Ø3/4 X 16 GA X 61	14
						1		-27		AXLE SHAFT	304 S.S.	Ø1/2 X 26-1/2	15
						8		-29		SIDE GATE BRACKET	ALUMINUM	1/8 X 1 X 12	16
			X			2		-31		SIDE GATE WELDMENT			17
			1					-33		SIDE GATE	304 S.S.	16 GA 8.0 X 11.0	18
			1					-35		LOCK STUD	S.S.	1/4-20 X 1-1/2 MCMaster-CARR #93190A546 (NEEDS MODIFIED)	19
		X						-37	1	AVIONICS DUCT ASSY			20
		1						-39		AVIONICS DUCT	ALUMINUM		21
	X							-41	1	ENGINE DUCT ASSY			22
	1							-43		ENGINE DUCT	ALUMINUM		23
	1							-45		RETAINER	ALUMINUM	1/2 X 2 X 7-3/8	24
X	2							-47		LATCH WELDMENT			25
1								-49		LATCH PLATE	304 S.S.	1/4 X 3/4 X 2-3/8	26
1							B/O	-51		STUD	S.S.	1/4-20 X 3 MCMaster-CARR #90575A559	25
						2	B/O	-53		SPRING PLUNGER	STEEL	1/4-20 MCMaster-CARR #2375A312	3
						2	B/O	-55		RUBBER WHEEL	STEEL/RUBBER	10 WHEEL MCMaster-CARR #2331T23	3
						2	B/O	-57		LOCK NUT	S.S.	1/2-13 MCMaster-CARR #90715A165	3
						4	B/O	-59		FLAT WASHER	S.S.	Ø1/2 ID X 7/8 OD MCMaster-CARR #98017A210	3
						1	B/O	-61		FOOT PAD	NEOPRENE	4 X 2-1/2 X 2 MCMaster-CARR #9306K34	3
						2	B/O	-63		SIDE HANDLE	S.S.	RIED #NSH-160	3
						2	B/O	-65		BOLT	S.S.	5/16-18 X 7/8 MCMaster-CARR #93190A582	3
						2	B/O	-67		FLAT WASHER	S.S.	Ø5/8 MCMaster-CARR #91525A229	3
						2	B/O	-69		LOCK WASHER	S.S.	5/16 MCMaster-CARR #92147A030	3
	2					2	B/O	-71		KNOB	S.S.	MCMaster-CARR #8558K1	3/22
						2	B/O	-73		SPRING PIN	S.S.	Ø1/8 X 1/4 MCMaster-CARR #92373A173	3
						16	B/O	-75	4	LOCK NUT	S.S.	10-32 MCMaster-CARR #91831A411	3
	2					16	B/O	-77	4	MACHINE SCREW	S.S.	10-32 X 3/4 MCMaster-CARR #91772A831	3/22
						26	B/O	-79	4	FLAT WASHER	S.S.	10-32 MCMaster-CARR #91525A117	3
	2						B/O	-81		ARM KNOB	S.S.	MCMaster-CARR #4276T44	3
							B/O	-83	3	CAP	VINYL	2 OD X 1-1/2 MCMaster-CARR #9753K94	1
							B/O	-85	3	2 HOSE CLAMP	S.S.	MCMaster-CARR #5362K21	1
							B/O	-87	4	8 HOSE CLAMP	S.S.	MCMaster-CARR #5215K15	1
							B/O	-91	1	SMALL DUCT HOSE	POLYETHYLENE	2-1/2 OD HOSE MCMaster-CARR #9020T76 GREY	
		4					B/O	-93		QUICK RELEASE FASTNER	S.S.	MILSPEC 2600-20SW	20
		4					B/O	-95		STUD RETAINER	S.S.	MILSPEC #2600-LW	20
							B/O	-97	2	8 DUCT HOSE	PLASTIC	U.S. AIRMOTIVE USAIR830AHIMW-EP7	NS
							B/O	-99	2	8 ADAPTER	PLASTIC	U.S. AIRMOTIVE IA8986	NS
		1						-101		AVIONICS DUCT FOAM	CLOSED CELL FOAM	1/4 X 9.0 X 10-1/2	27
	1							-103		ENGINE DUCT FOAM	CLOSED CELL FOAM	1/4 X 17-1/2 X 19-1/4	28
						1		-105		THUMB SCREW	S.S.	1/4-20 MCMaster-CARR #91746A414(NEEDS MODIFIED)	30
						1	B/O	-107		LANYARD	S.S.	8" W TAB MCMaster-CARR #30345T33	NS
						2	B/O	-109		FLAT WASHER	S.S.	Ø1/2 OD X 17/64 ID MCMaster-CARR #91525A117	NS
						1		-111		STENCIL	STENCIL STOCK	4-1/2 X 5-1/2 STENCIL	NS
								-113	12	HOSE RETAINER	S.S.	.03 X 3/4 X2-1/8	31
								-115	12	HOSE RETAINER, BOTTOM	S.S.	.03 X 3/4 X 2-1/8	32
							B/O	-117	24	FLATHEAD SCREW	S.S.	8-32 X 1/2 MCMaster-CARR #91771A194	1
							B/O	-119	24	LOCKNUT	S.S.	8-32 MCMaster-CARR #91831A009	1
							B/O	-121	24	STANDOFF	S.S.	1/8 X Ø5/8 MCMaster-CARR #98126A834	1
							B/O	-123	3	LANYARD	S.S.	12" W TAB MCMaster-CARR #30345T38	NS
						8	B/O	-125		MACHINE SCREW	S.S.	1/4-20 X 3/4 MCMaster-CARR #91772A540	
						8	B/O	-127		LOCK NUT	S.S.	1/4-20 MCMaster-CARR #91831A029	
ASSY -47	ASSY -41	ASSY -37	ASSY -31	ASSY -19	ASSY -3	ASSY -1							

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 <b>RED BARN MACHINE</b>		
TITLE <b>CONDITIONED AIR ADAPTER SET</b>		
DWG NO. <b>RBT18400</b>		REV <b>1</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1		DRAWN BY: <b>GILBERT</b> APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL <b>FIRE SCOUT MQ-8B</b>
SCALE <b>1:8</b>	DATE <b>2/4/2011</b>	SHEET <b>2 OF 32</b>

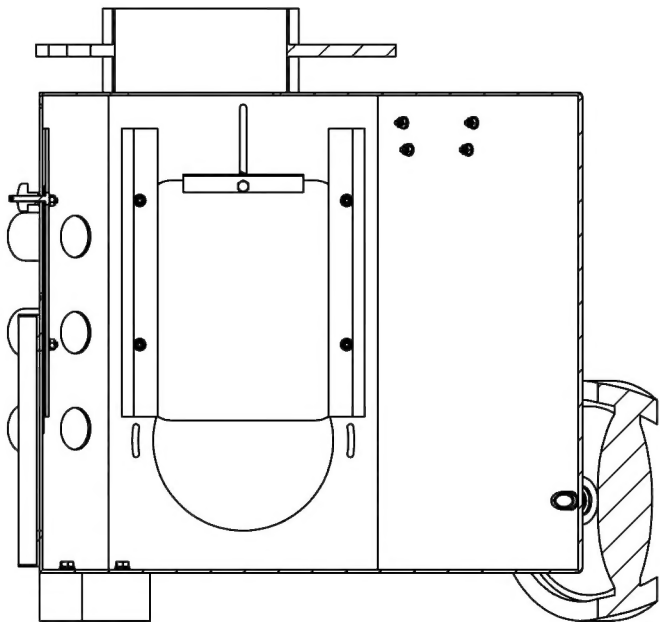


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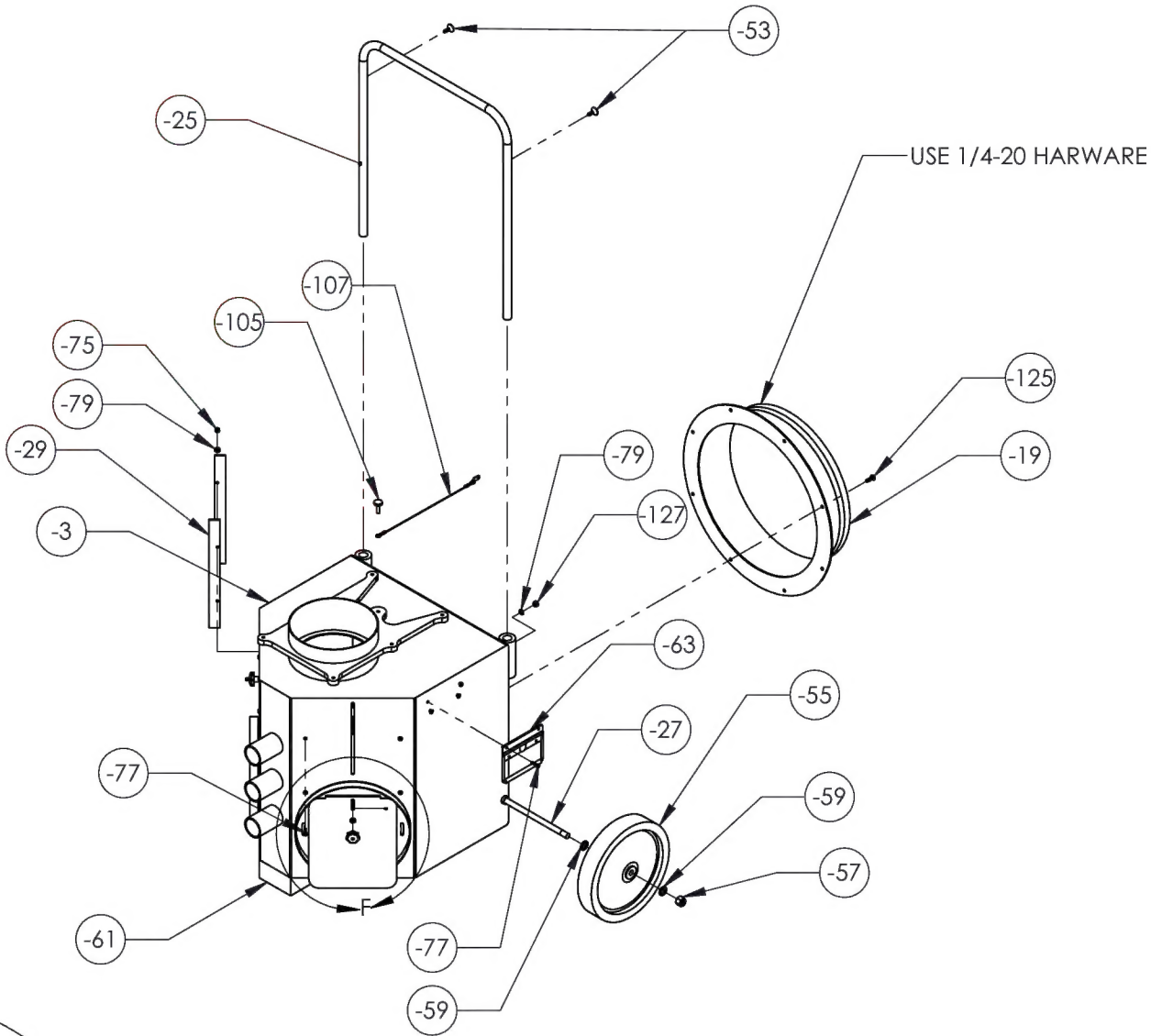
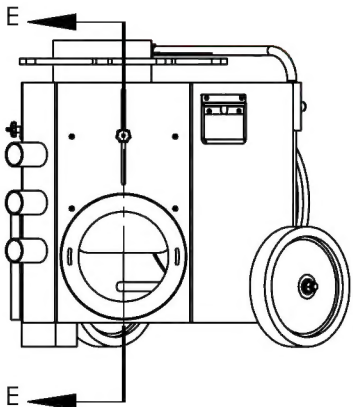
REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
1	CHANGED FROM 10-32 TO 1/4-20 HARDWARE FOR -19	2/18/2011	JAG

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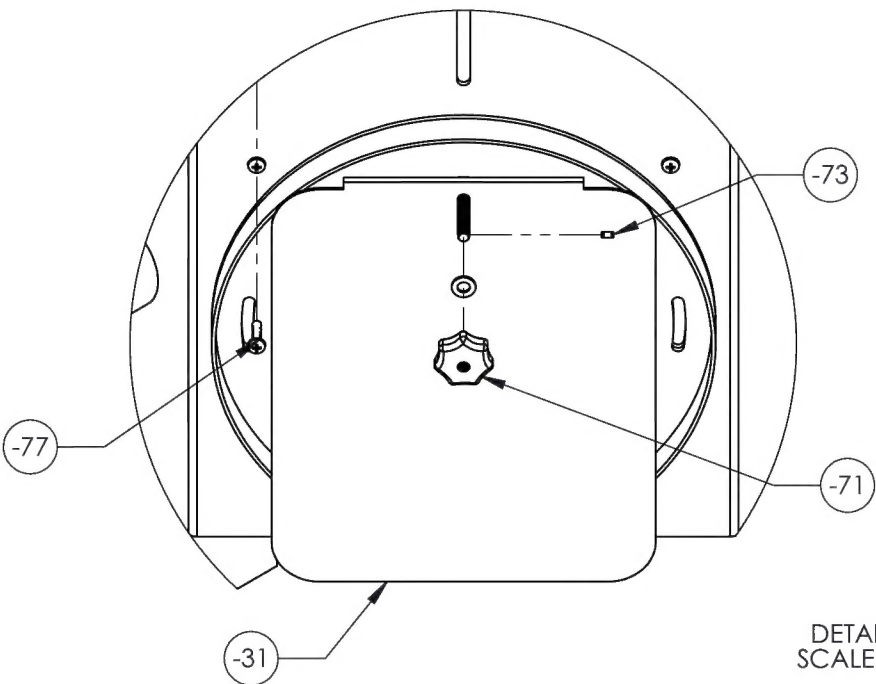
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WILL NOT BE KEPT UP TO DATE



SECTION E-E  
TYP SIDE GATE ASSY, 2 PER ASSY



SPLITTER BOX ASSY

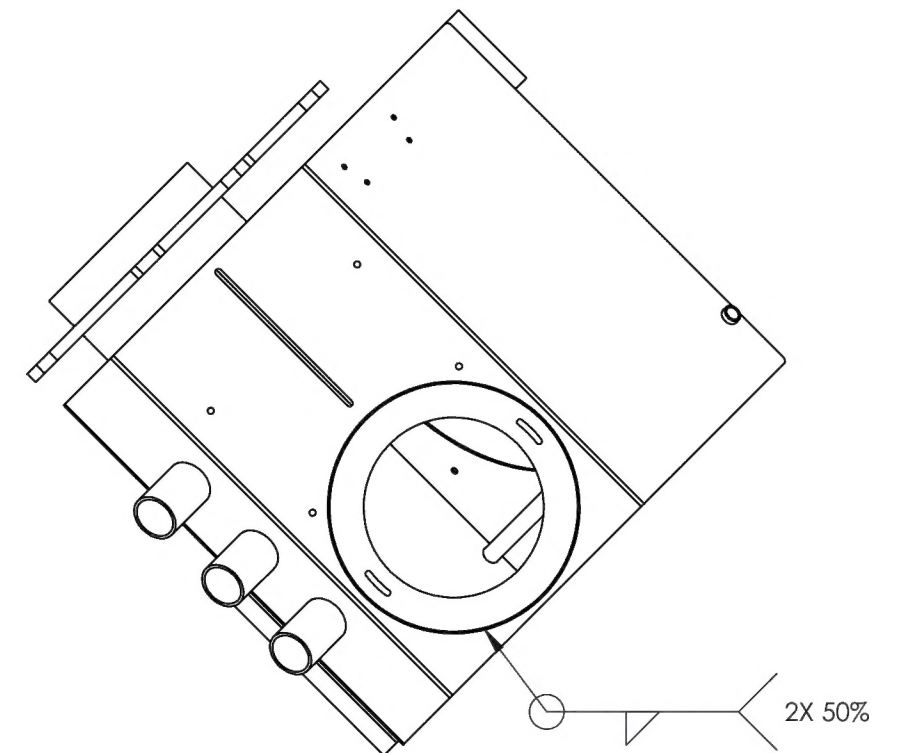
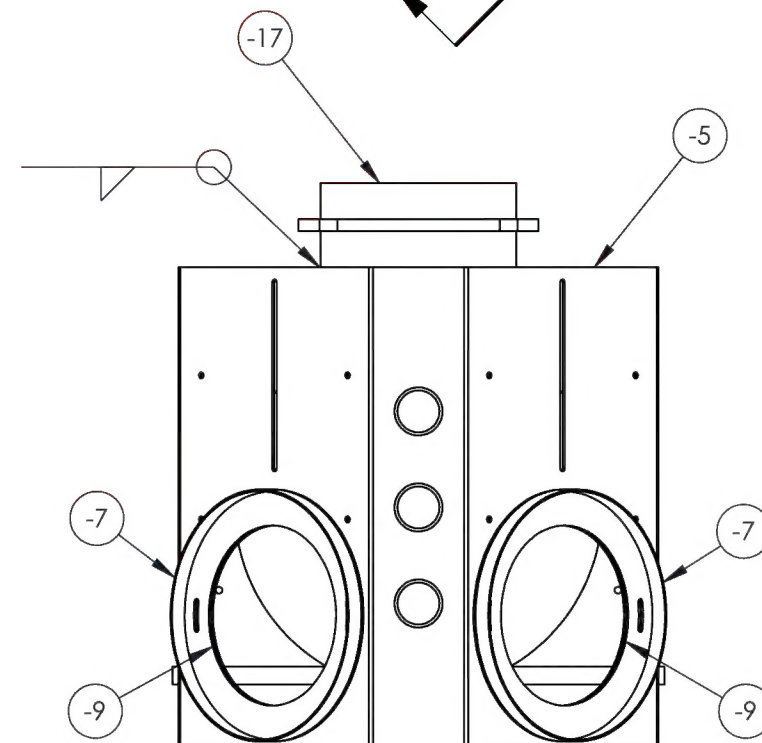
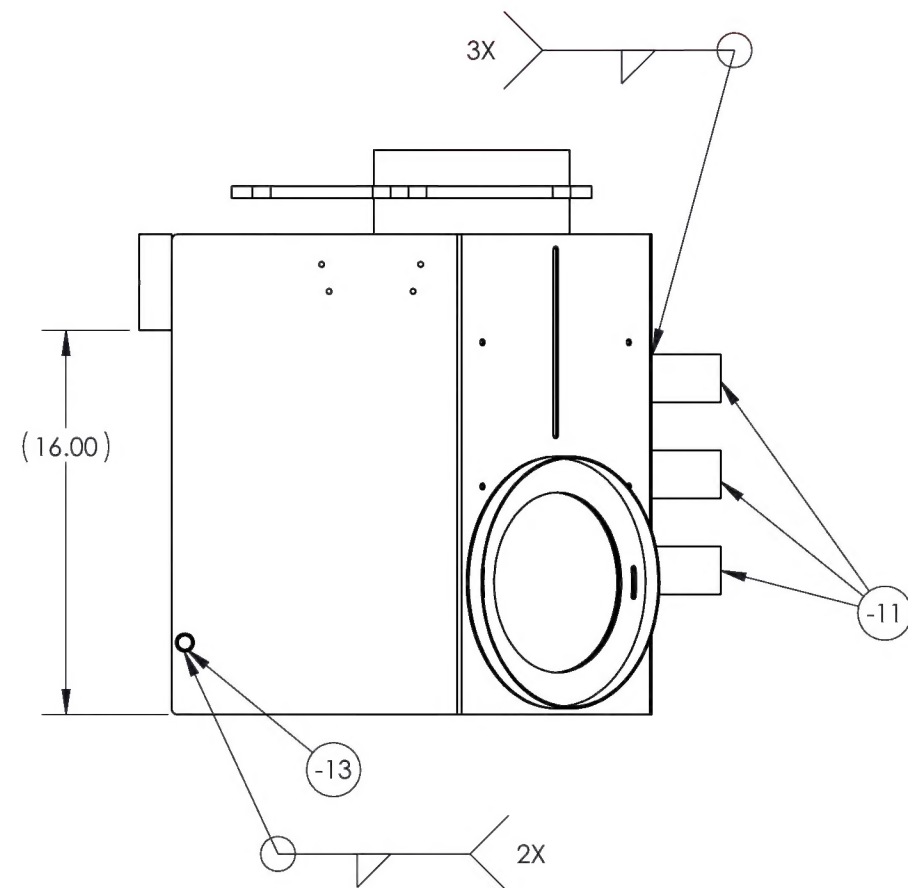
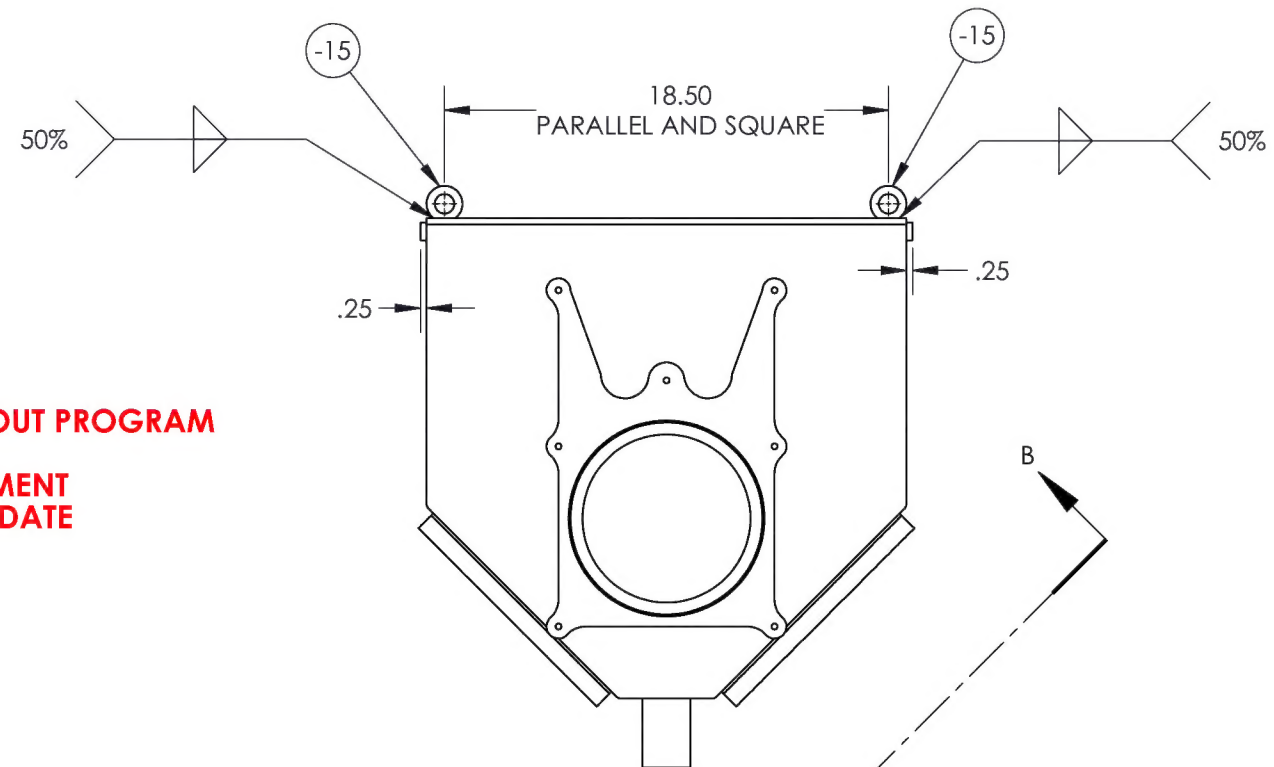
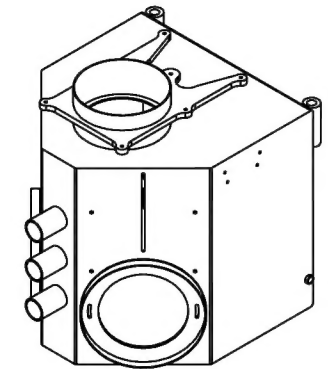


DETAIL F  
SCALE 1 : 4

RED BARN MACHINE			
TITLE CONDITIONED AIR ADAPTER SET			
DWG NO. RBT18400-1		REV 1	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		TREAT	
.XXX ± .005		FINISH	
.XX ± .01		SPEC	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		FIRE SCOUT MQ-8B	
1. BREAK ALL SHARP EDGES		SCALE 1:8	
.015 x 45° PR .015 R		DATE 2/4/2011	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SHEET 3 OF 32	

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED


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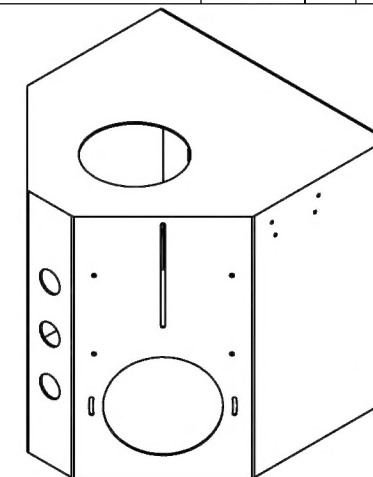
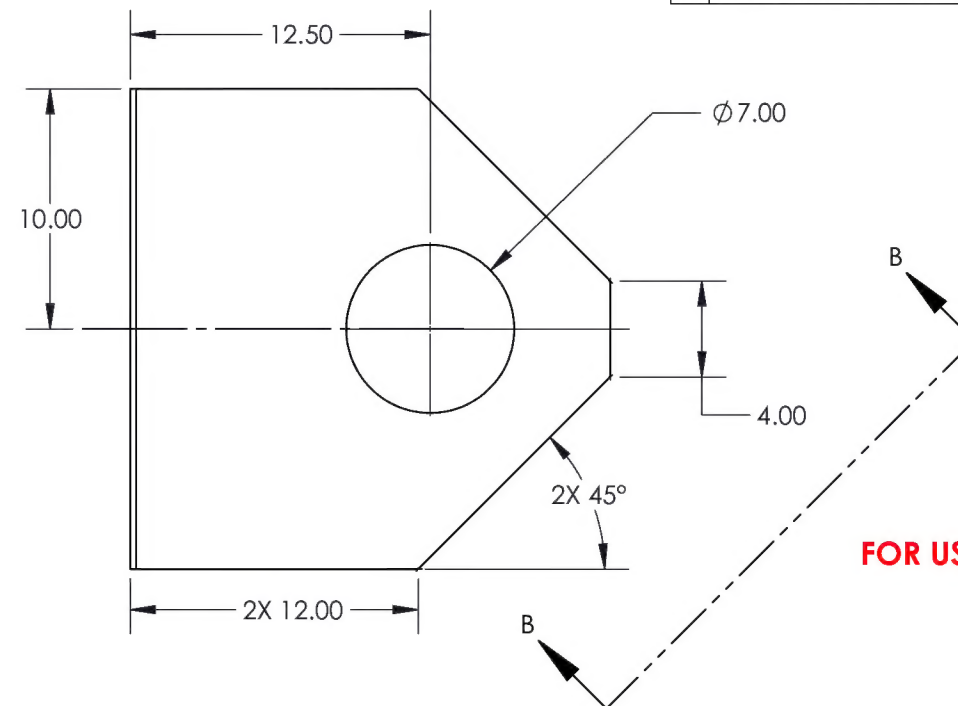
SECTION B-B

③

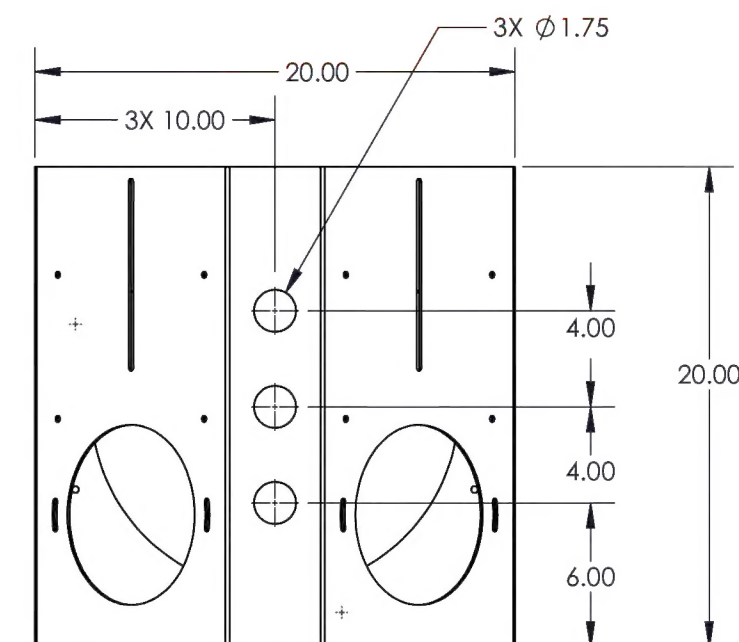
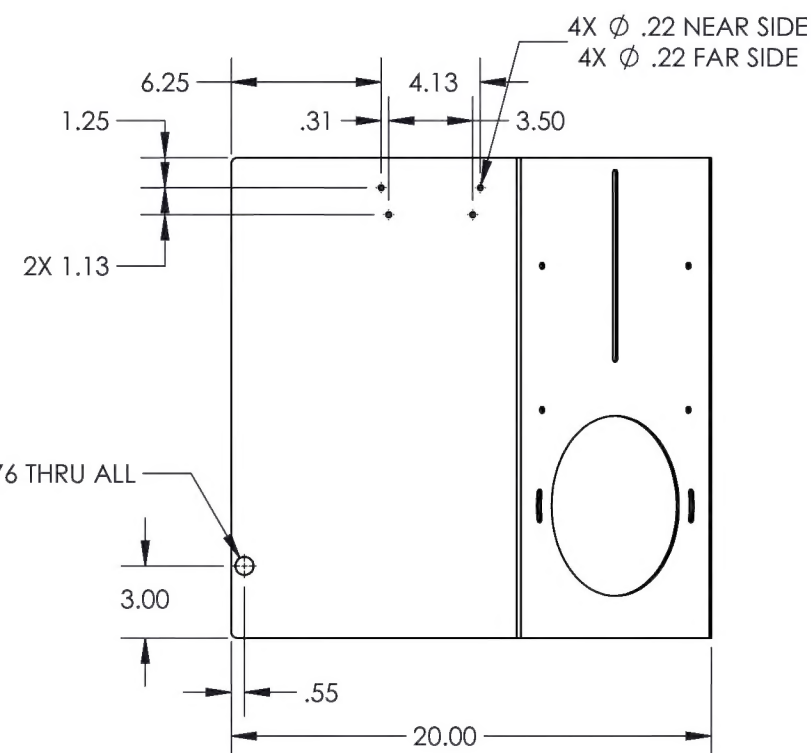
SPLITTER BOX WELDMENT

 <h1>RED BARN MACHINE</h1>	
TITLE <h2>CONDITIONED AIR ADAPTER SET</h2>	
DWG NO. <h3>RBT18400-3</h3>	REV <h3>1</h3>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1  FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH POWDER COAT SPEC RAL 9003 USED ON MODEL FIRE SCOUT MK-8B
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:8	DATE 2/4/2011
SHEET 4 OF 32	

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	HOLE FROM 16.00 TO 15.30, 10 HOLES @ Ø.22 TO 8X Ø.28	2/4/2011	JAG	



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THIS VIEW  
SCALED 1:12

2X  $\varnothing$  .34

3.25 ON C

2X 1.25

 <h1>RED BARN MACHINE</h1>	
TITLE <h2>CONDITIONED AIR ADAPTER SET</h2>	
DWG NO.  RBT18400-5	REV  1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weid</i> HEAT TREAT FINISH SPEC USED ON MODEL
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:8	DATE 2/4/2011
SHEET 5 OF 32	

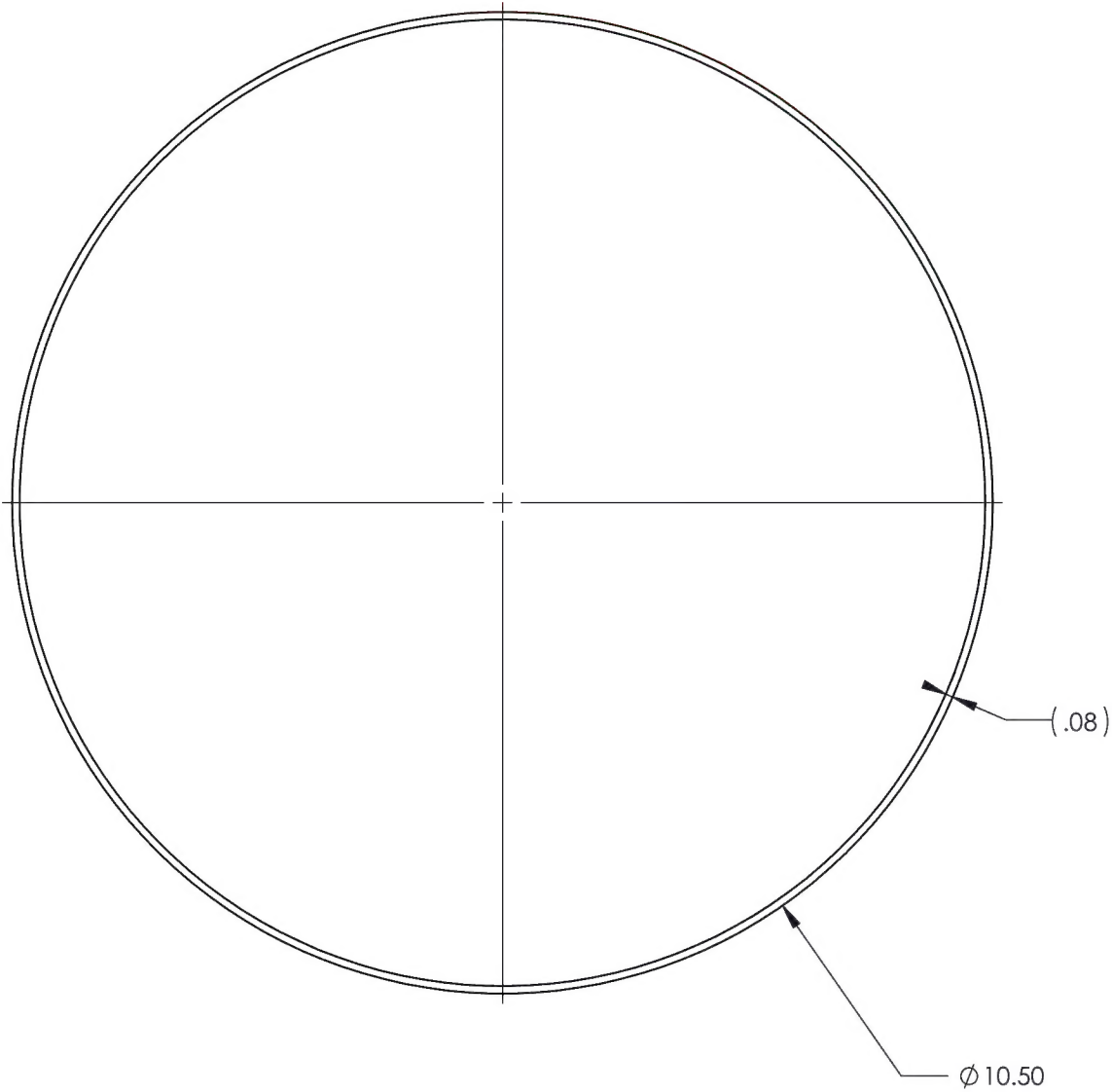
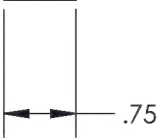
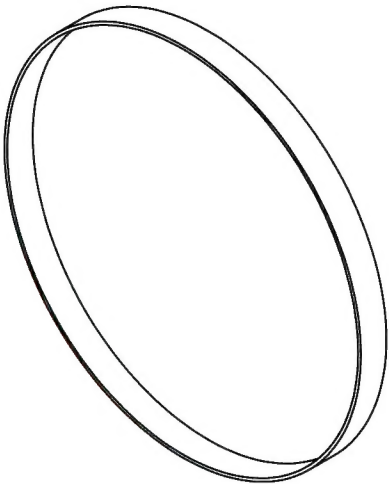


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
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7

ADAPTER RING

NOTE:  
WELD SEAM 100%

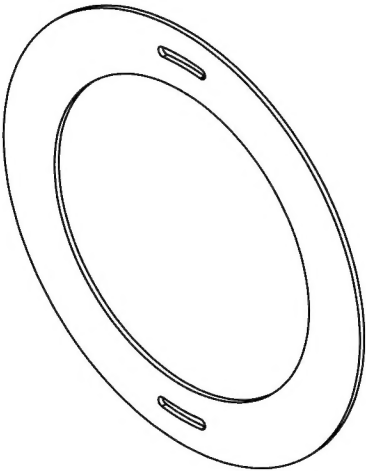
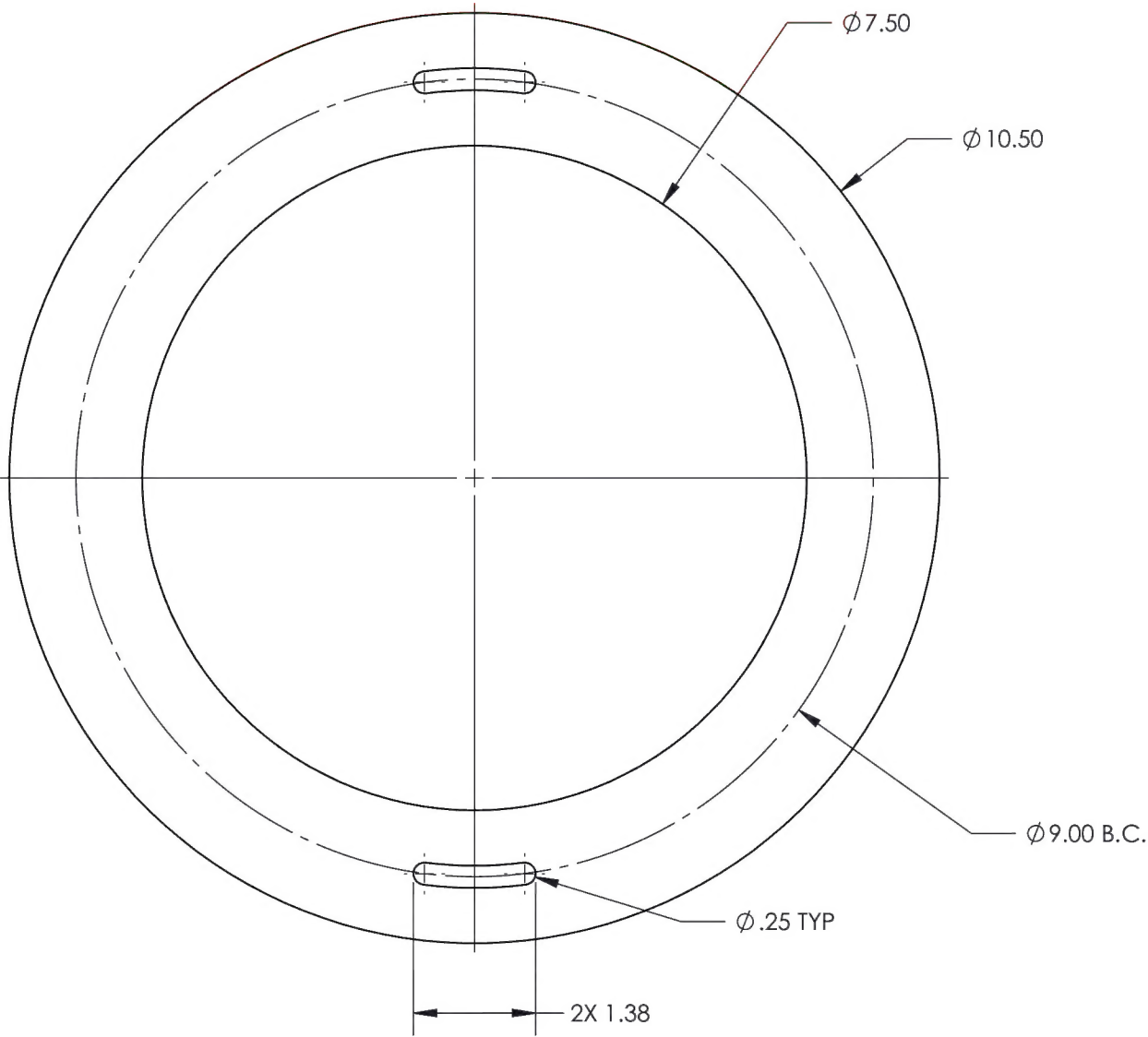
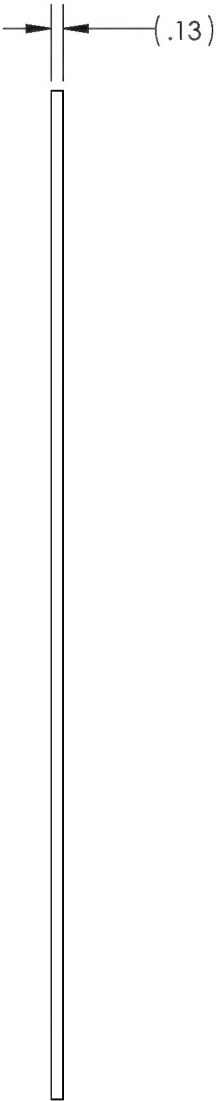
 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-7	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED <i>D Weil</i> SPEC USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 1:2	DATE 2/4/2011
SHEET 6 OF 32	

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REVISIONS			
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⑨  
ADAPTER FLANGE

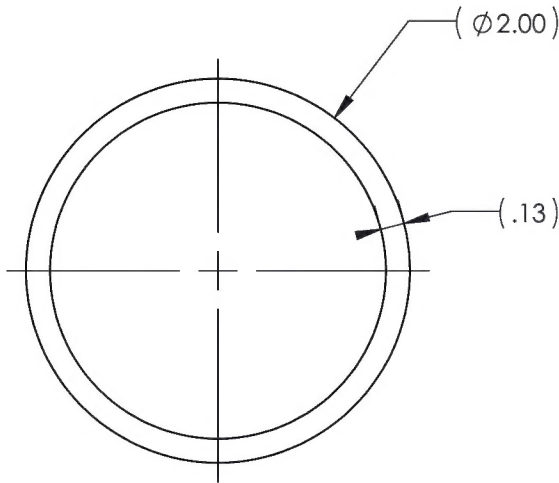
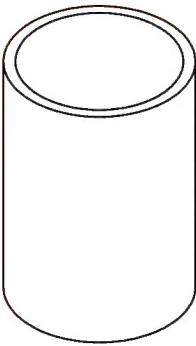
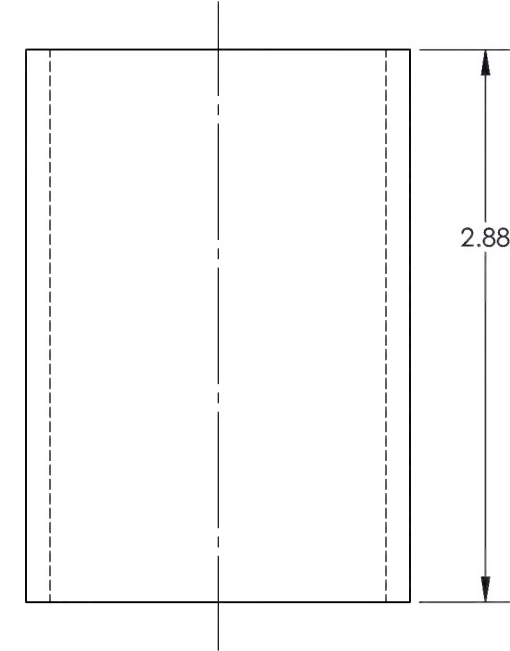
 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-9	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> SPEC USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 1:2	DATE 2/4/2011
SHEET 7 OF 32	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
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(-11)

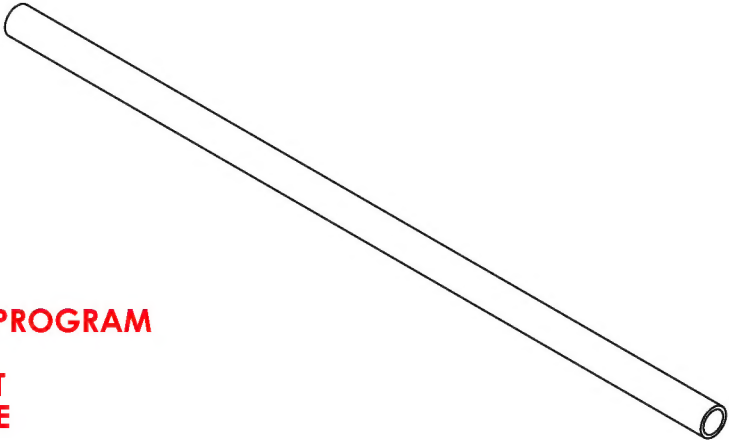
SMALL DUCT TUBE

 RED BARN MACHINE		
TITLE CONDITIONED AIR ADAPTER SET		
DWG NO. RBT18400-11		REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT
TOLERANCES ON:		APPROVED <i>D Weil</i>
DECIMALS .XXX ± .005		TREAT
.XX ± .01		FINISH
.X ± .1		SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R		USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		FIRE SCOUT MQ-8B
SCALE 1:1	DATE 2/4/2011	SHEET 8 OF 32



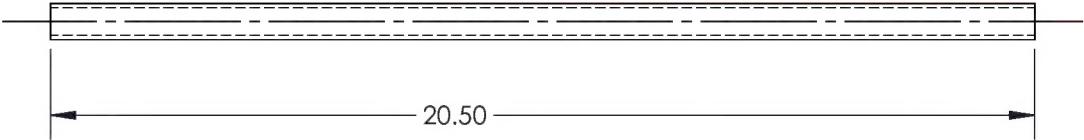
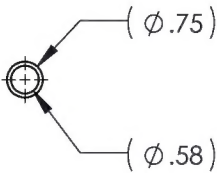
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
APPROVED			




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-13

AXLE TUBE

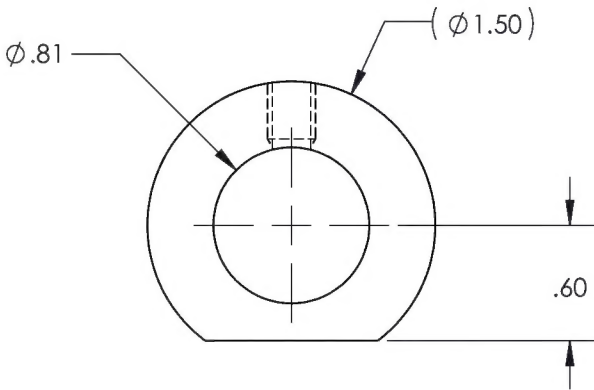
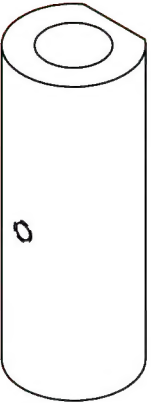
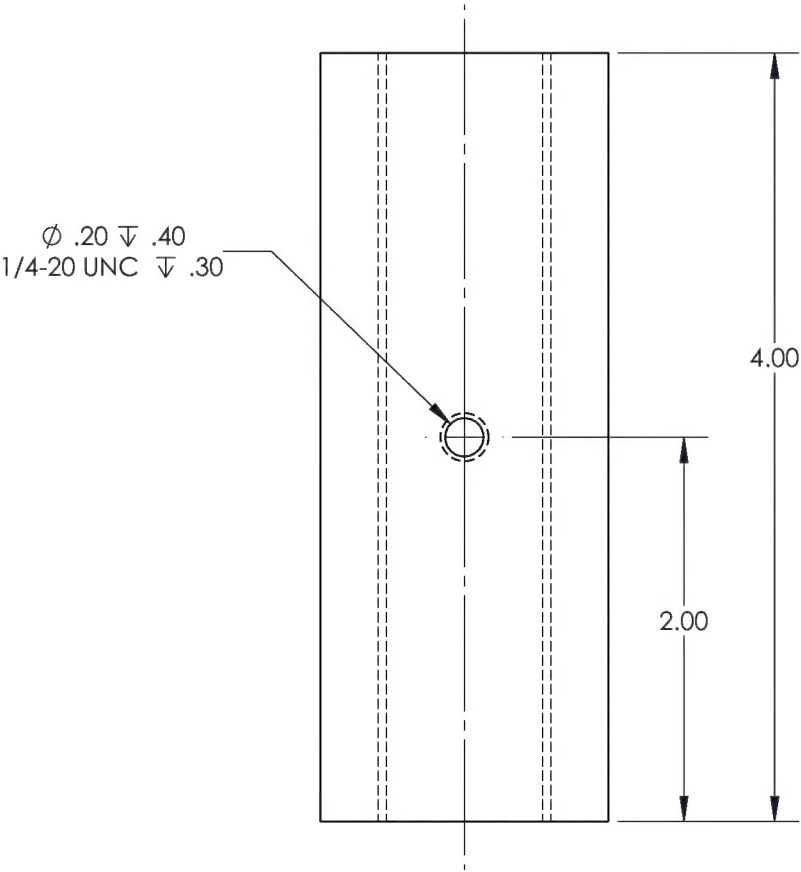
 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-13	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: GILBERT APPROVED <i>D Weil</i> TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:4	DATE 2/4/2011
SHEET 9 OF 32	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL

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(-15)  
HANDLE TUBE

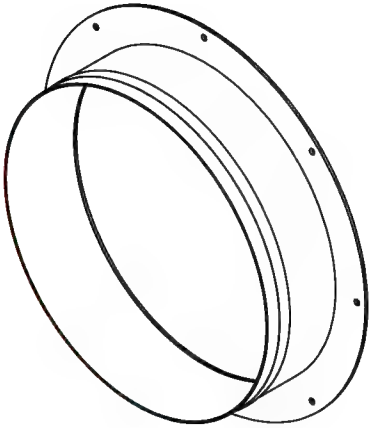
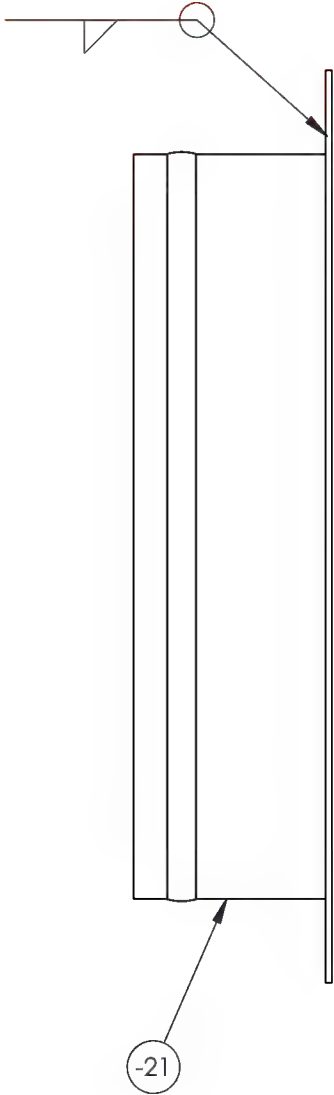
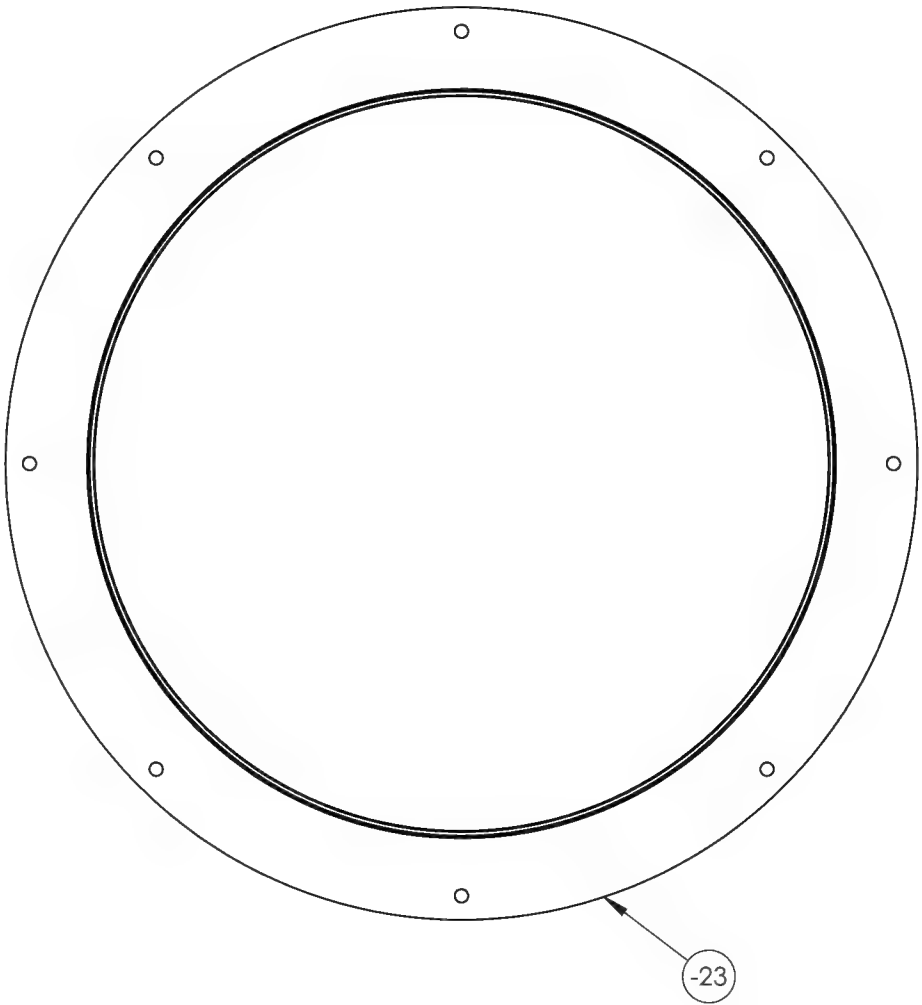
RED BARN MACHINE			
CONDITIONED AIR ADAPTER SET			
RBT18400-15			REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		TREAT	
.XXX ± .005		FINISH	
.XX ± .01		SPEC	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		FIRE SCOUT MQ-8B	
1. BREAK ALL SHARP EDGES			
.015 x 45° PR .015 R			
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE 1:1	DATE 2/4/2011	SHEET 10 OF 32	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL

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SUPPLY DUCT WELDMENT

 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-19	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH: POWDER COAT SPEC: SAFETY YELLOW USED ON MODEL: FIRE SCOUT MQ-8B	
SCALE 1:4	DATE 2/4/2011
SHEET 11 OF 32	

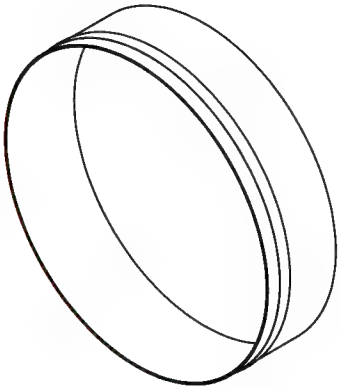
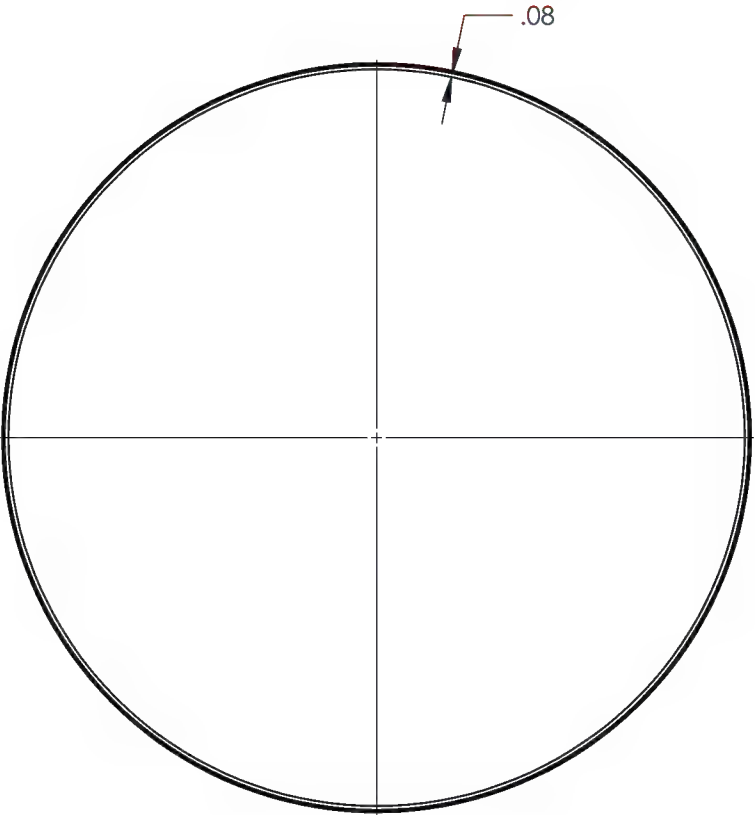
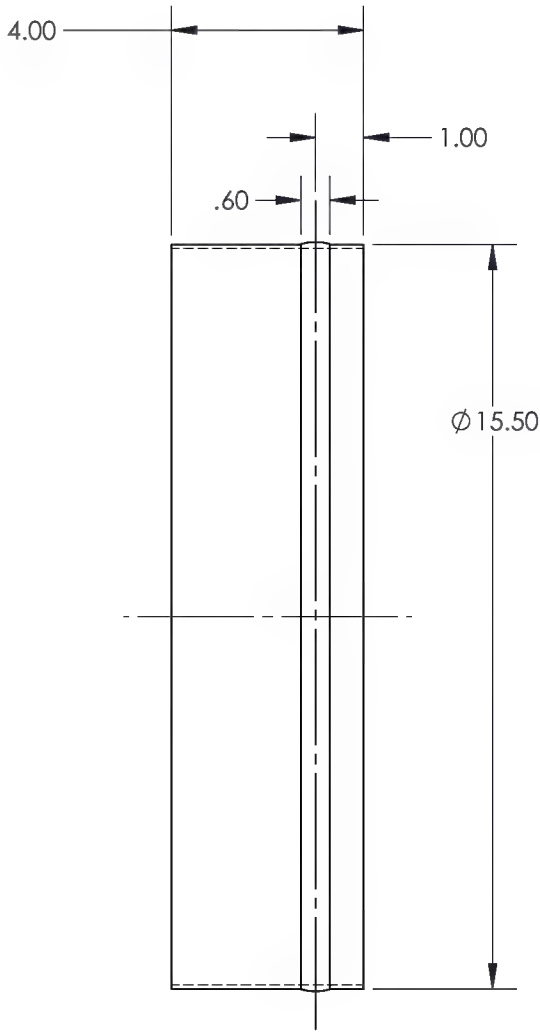


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	OD FROM 16.00 TO 15.50	2/18/2011	JAG	


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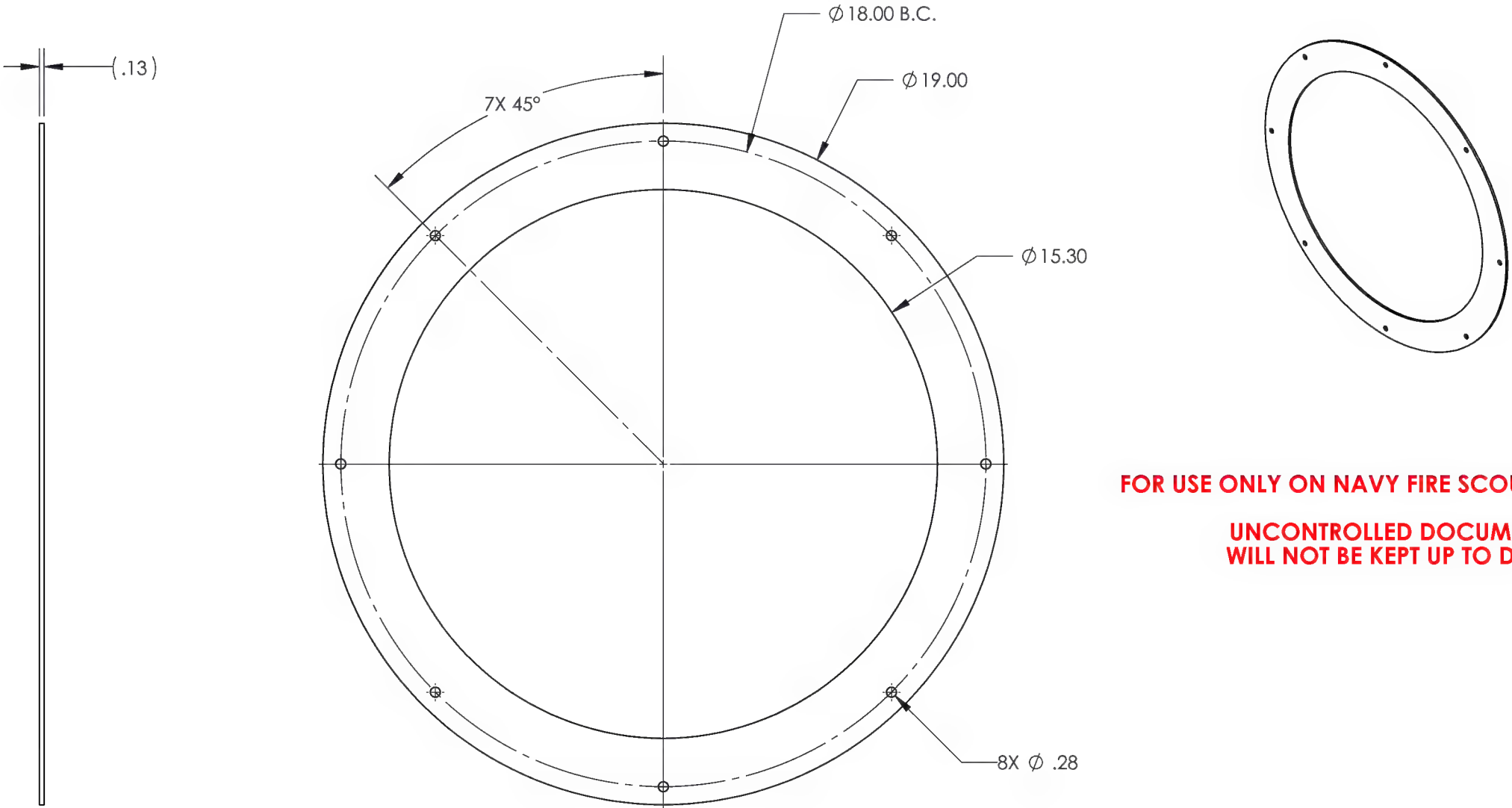
NOTE:  
WELD SEAM 100%

(-21)  
DUCT RING


 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-21	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SCALE 1:4	DATE 2/4/2011
SHEET 12 OF 32	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
1	CHANGED FROM 10 HOLES @ Ø.22 TO 8 @ Ø.28, ID TO 15.30 FROM 15.84	2/18/2011	JAG



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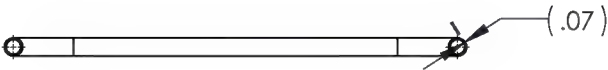
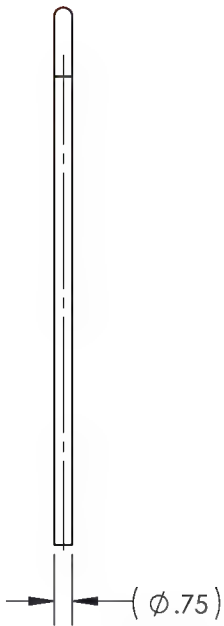
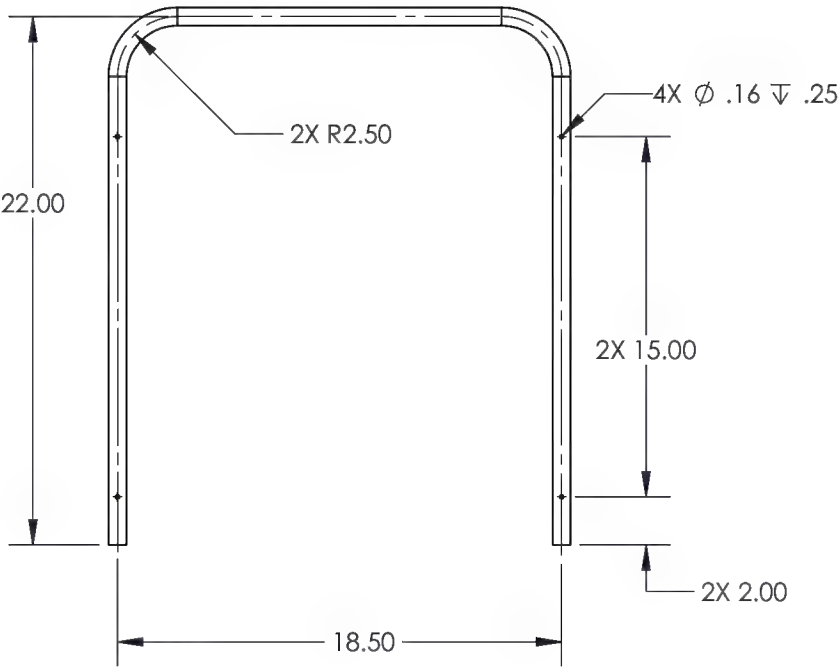
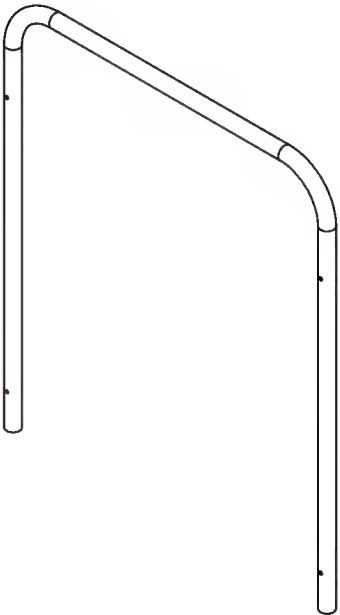
 RED BARN MACHINE	
TITLE COMDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-23	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> SPEC USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 1:4	DATE 2/4/2011
SHEET 13 OF 32	

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(-25)  
HANDLE

RED BARN MACHINE			
TITLE CONDITIONED AIR ADAPTER SET			
DWG NO. RBT18400-25			REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		TREAT	
.XXX ± .005		FINISH	
.XX ± .01		SPEC	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		FIRE SCOUT MQ-8B	
1. BREAK ALL SHARP EDGES		SCALE 1:8	
.015 x 45° PR .015 R		DATE 2/4/2011	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SHEET 14 OF 32	

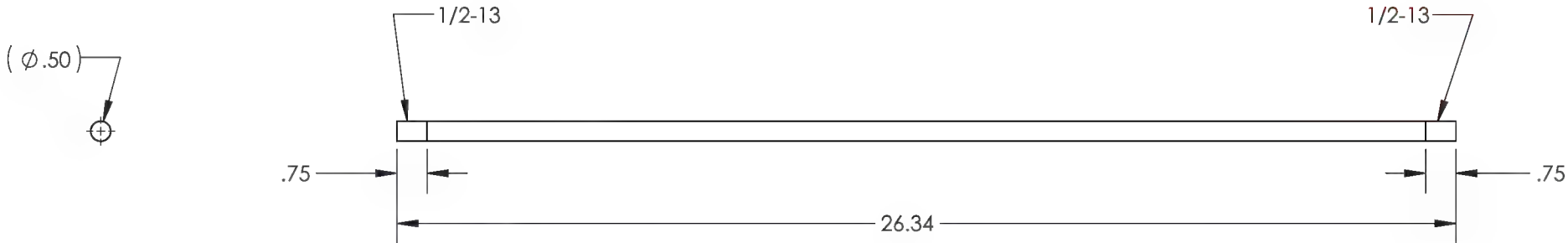
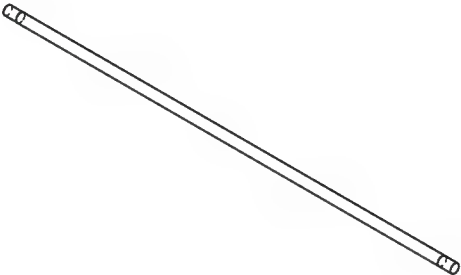


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-27

AXLE SHAFT

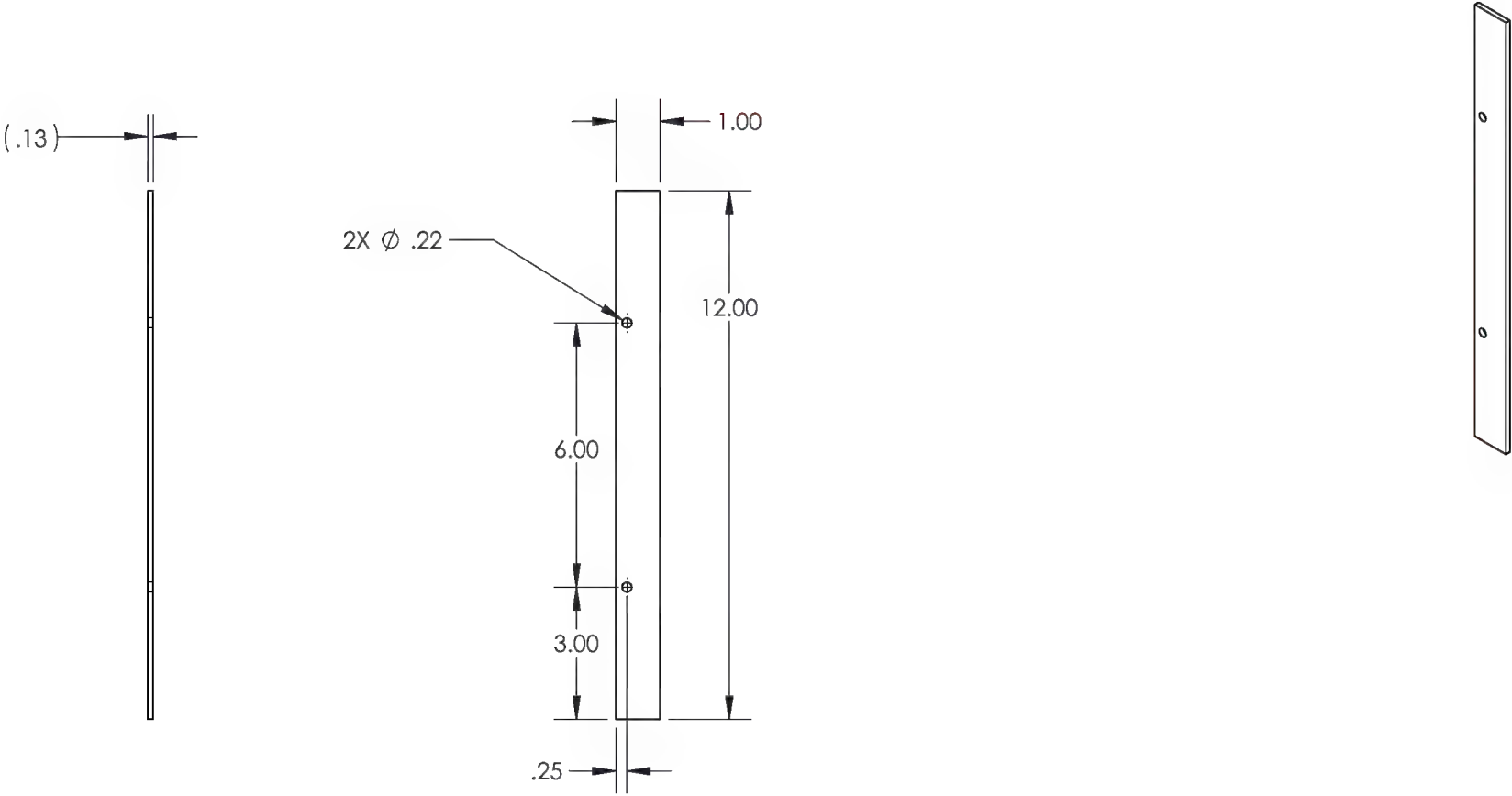
 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-27	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	FRACTIONS ± 1/32 ANGLES ± .5°
DRAWN BY: GILBERT	
APPROVED <i>D Weil</i>	
TREAT FINISH	
SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 1:4	DATE 2/4/2011
SHEET 15 OF 32	

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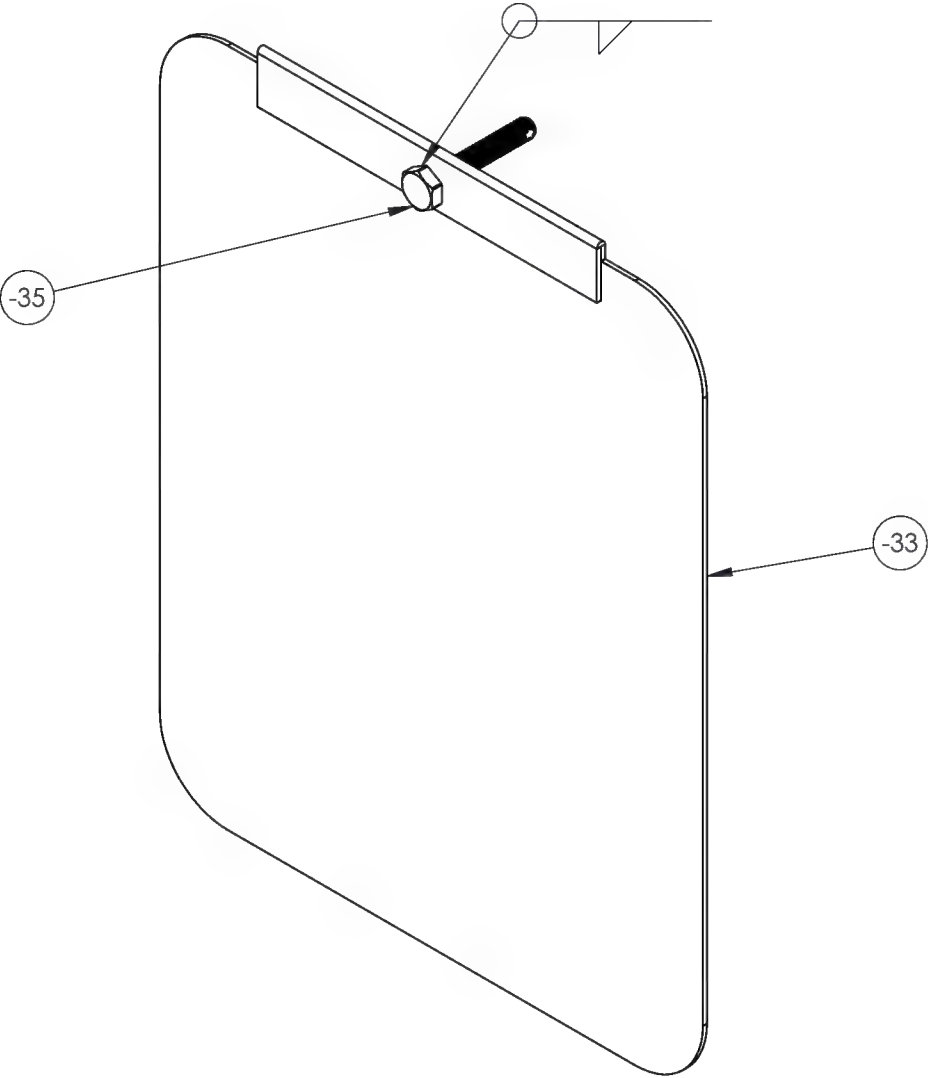
-29

SIDE GATE BRACKET

 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-29	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:4	DATE 2/4/2011
SHEET 16 OF 32	

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-31  
SIDE GATE WELDMENT

 RED BARN MACHINE		
TITLE CONDITIONED AIR ADAPTER SET		
DWG NO. RBT18400-31		REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT
TOLERANCES ON:		APPROVED <i>D Weil</i>
DECIMALS		HEAT
.XXX ± .005		TREAT
.XX ± .01		FINISH
.X ± .1		SPEC
UNLESS OTHERWISE SPECIFIED		USED ON MODEL
1. BREAK ALL SHARP EDGES		FIRE SCOUT MQ-8B
.015 x 45° PR .015 R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE 1:2	DATE 2/4/2011	SHEET 17 OF 32

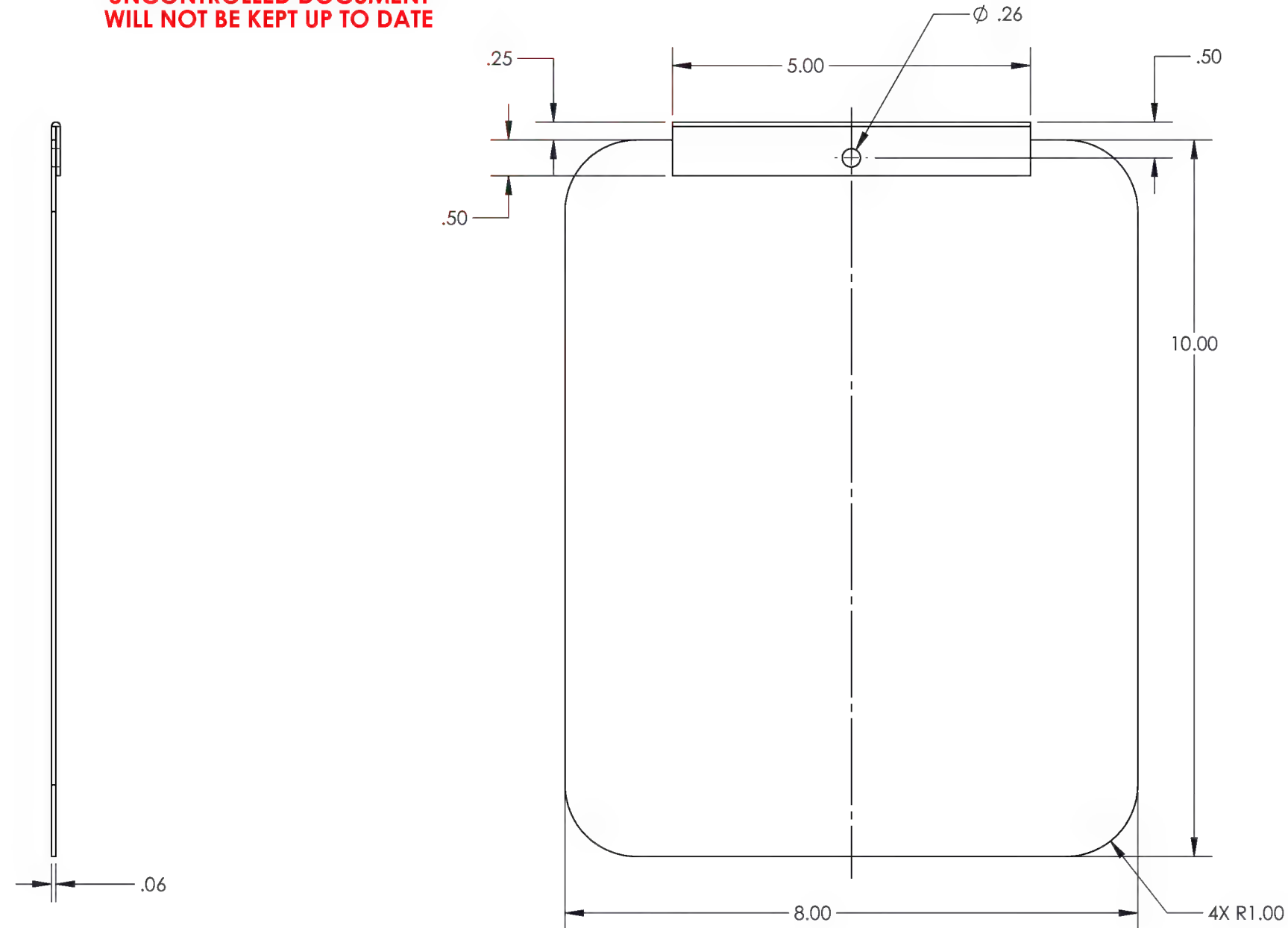


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(-33)

SIDE GATE

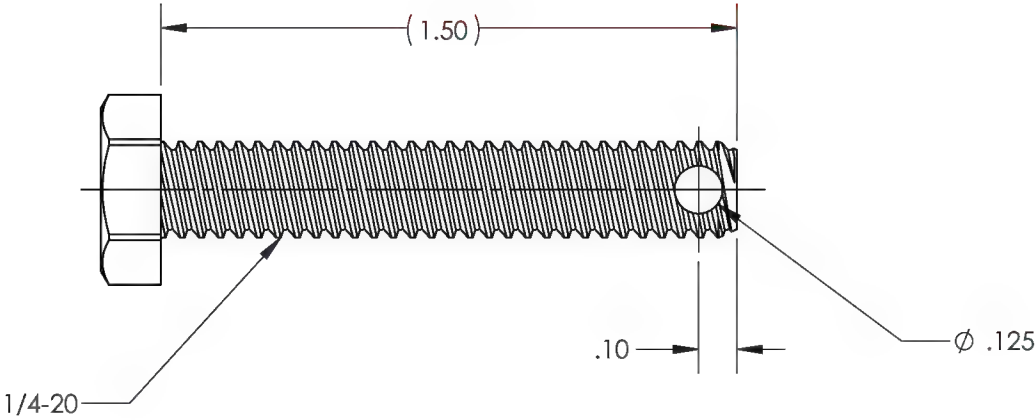
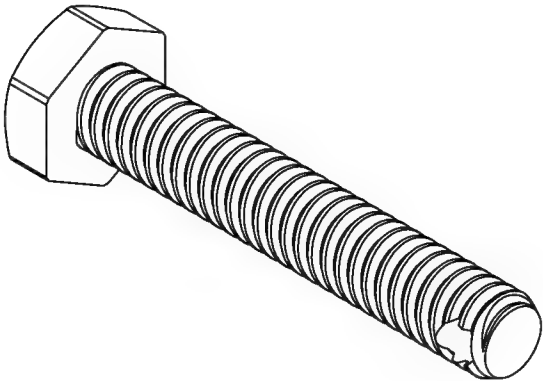
 <h1>RED BARN MACHINE</h1>	
TITLE <h2>CONDITIONED AIR ADAPTER SET</h2>	
DWG NO. <h3>RBT18400-33</h3>	REV <h3>1</h3>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1  FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Wed</i> HEAT TREAT FINISH  SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL <h3>FIRE SCOUT MQ-8B</h3>
SCALE 1:2	DATE 2/4/2011
SHEET 18 OF 32	

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(-35)

LOCK STUD

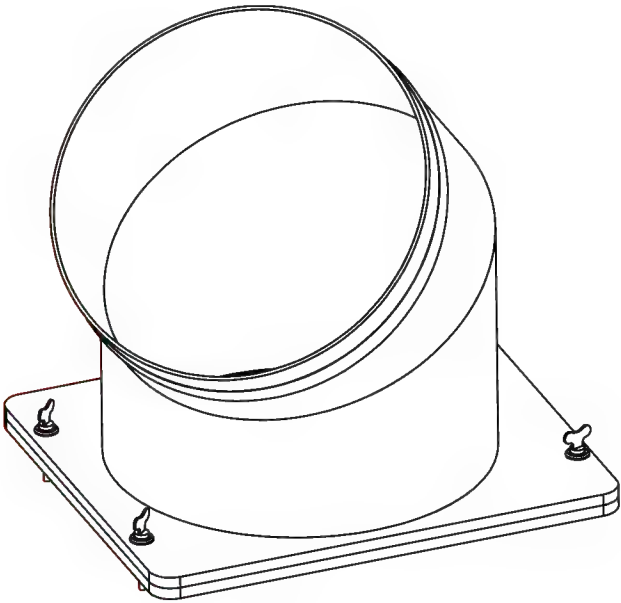
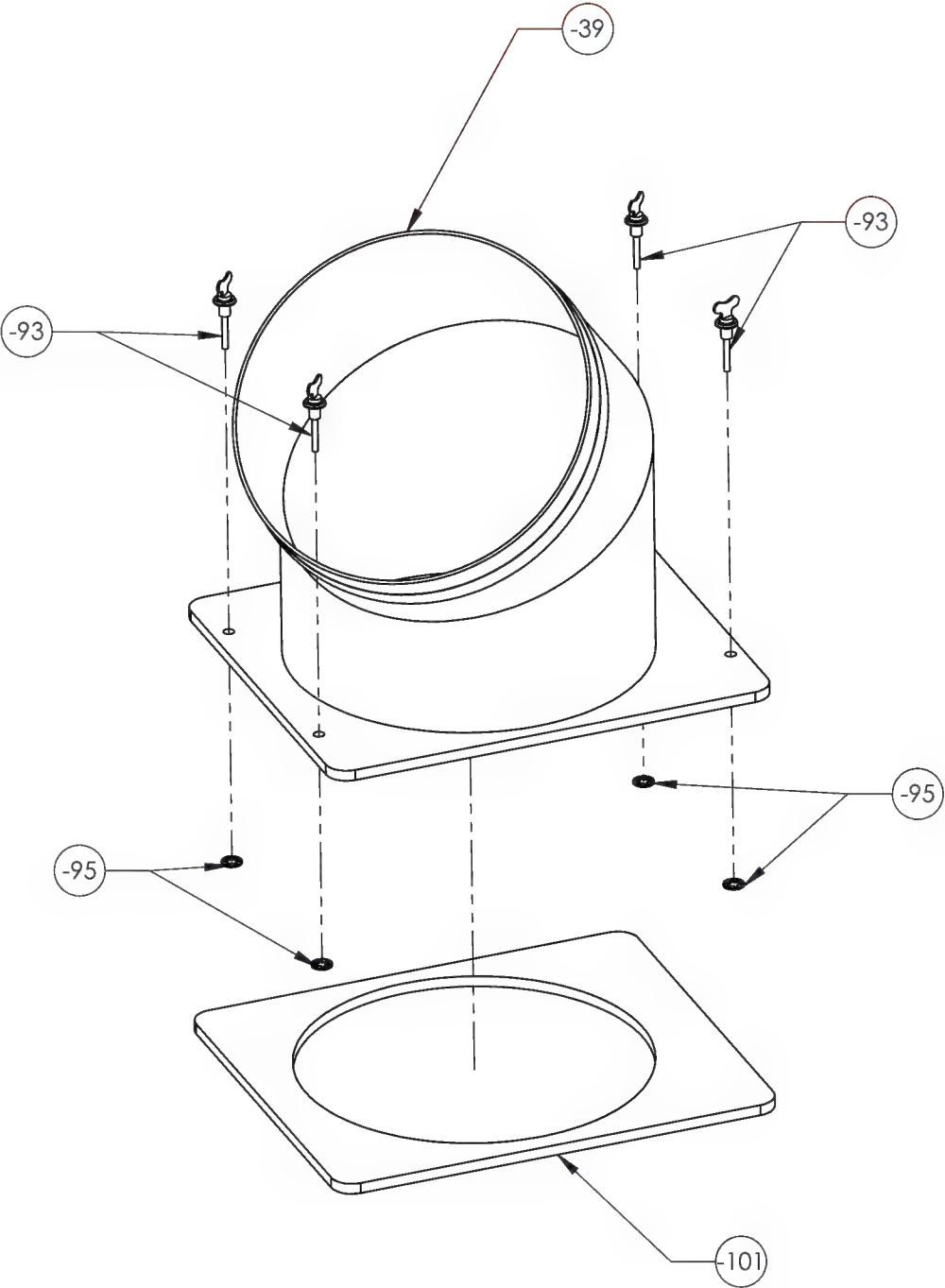
 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-35	REV 1
DRAWN BY: GILBERT	
APPROVED <i>D Weil</i>	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 2:1	DATE 2/4/2011
SHEET 19 OF 32	

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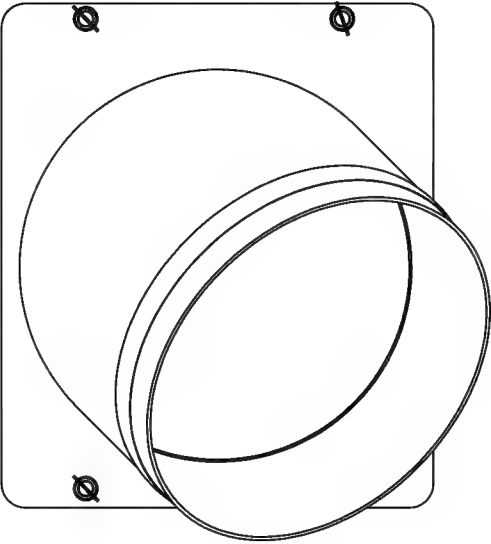
REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
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APPLY STENCIL AS SHOWN IN WHITE



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AVIONICS DUCT ASSY

RED BARN MACHINE			
TITLE CONDITIONED AIR ADAPTER SET			
DWG NO. RBT18400-37			REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		TREAT	
.XXX ± .005		FINISH	
.XX ± .01		SPEC	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		FIRE SCOUT MQ-8B	
1. BREAK ALL SHARP EDGES		SCALE 1:4	
.015 x 45° PR .015 R		DATE 2/4/2011	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SHEET 20 OF 32	

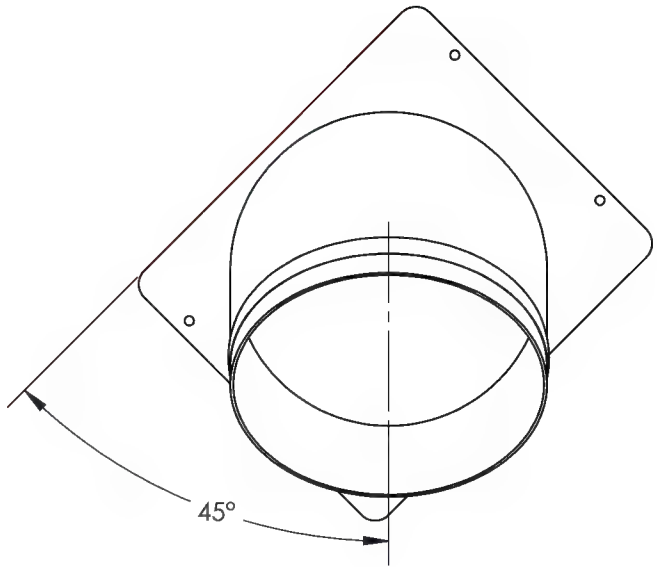
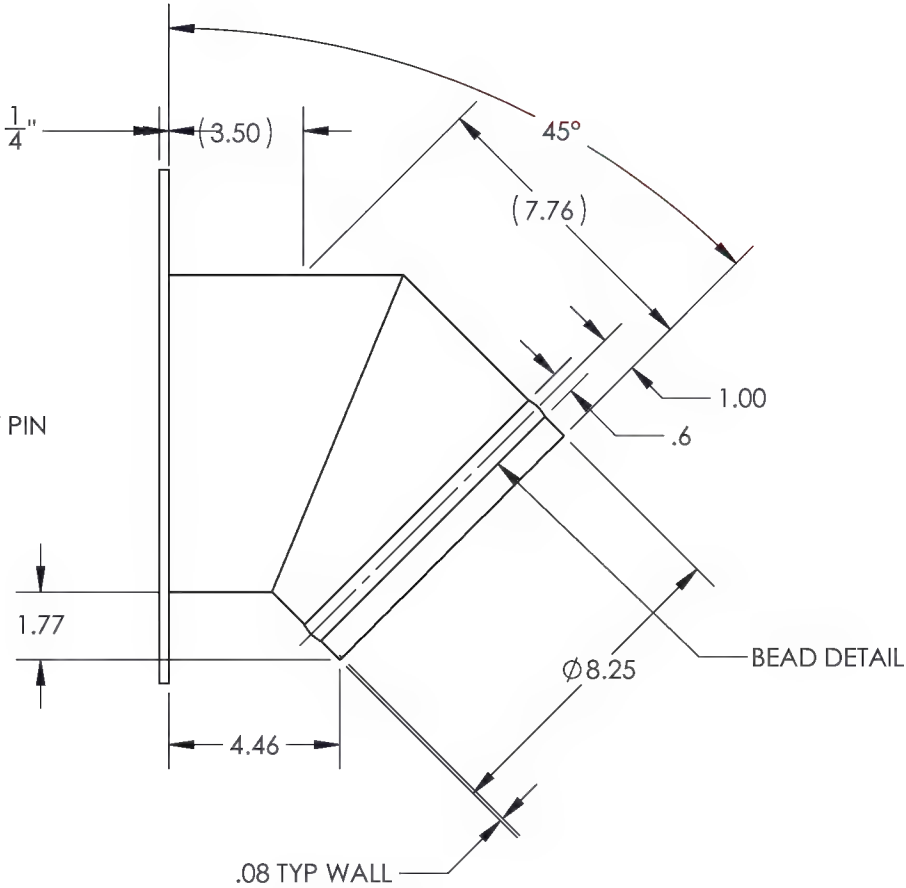
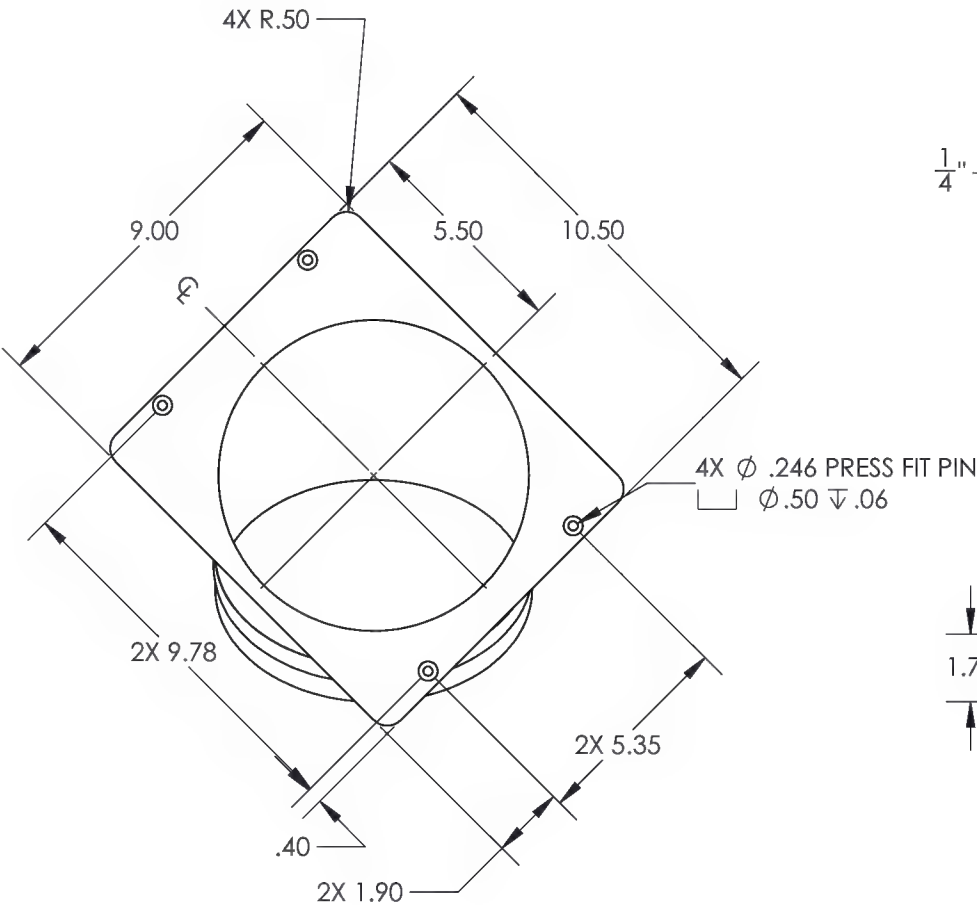
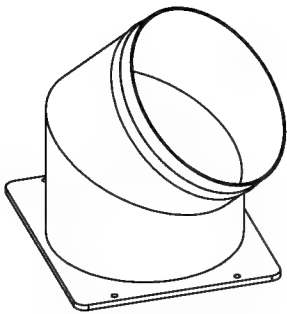


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AVIONICS DUCT

NOTES:  
HOLES TO BE DRILLED IN FLANGE  
BEFORE BEING JOINED WITH ELBOW

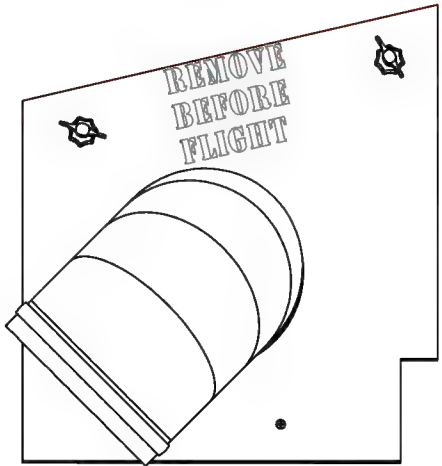
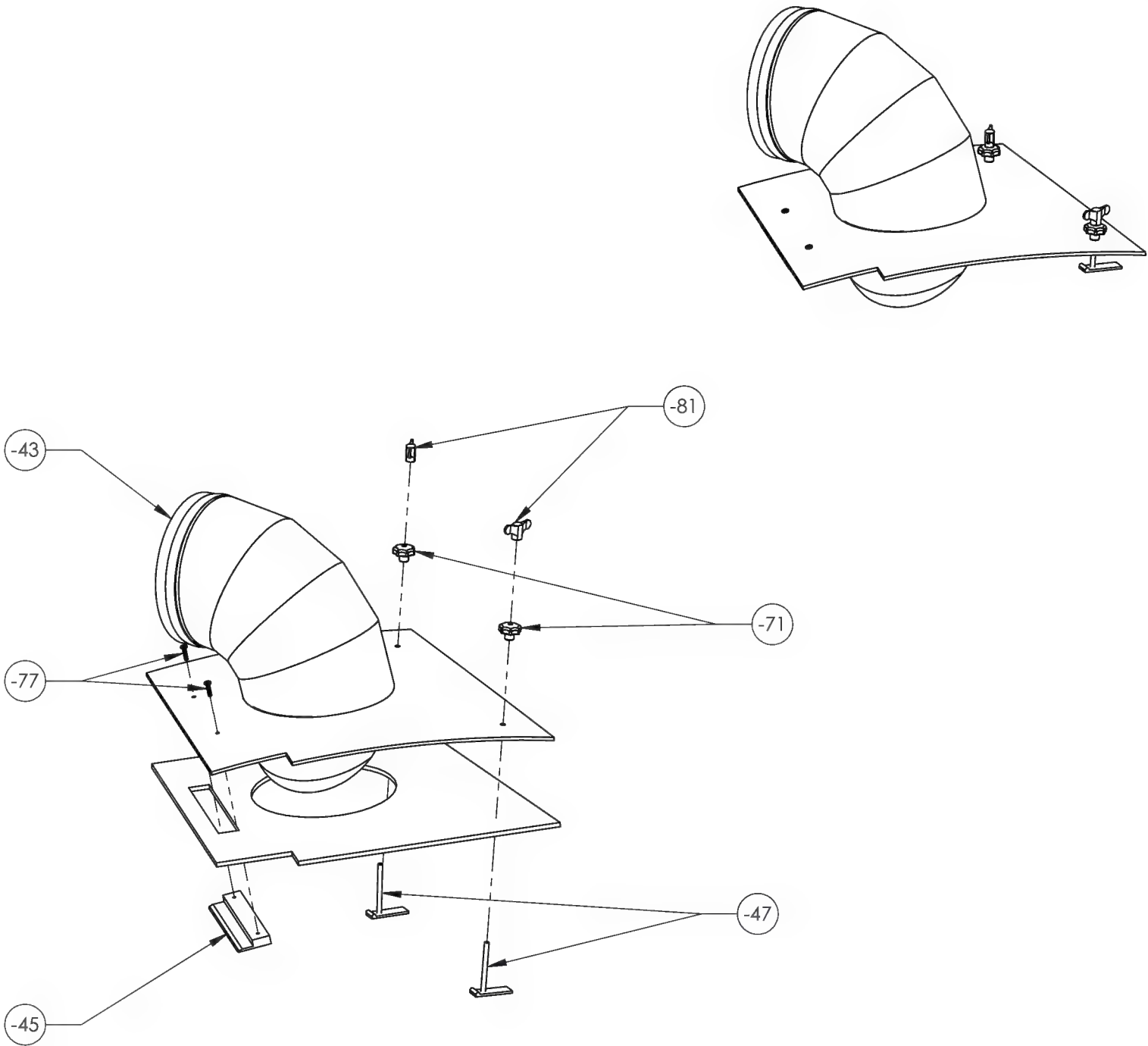
RED BARN MACHINE			
TITLE CONDITIONED AIR ADAPTER SET			
DWG NO. RBT18400-39			REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		TREAT	
.XXX ± .005		FINISH POWDER COAT RED	
.XX ± .01		SPEC RAL 3020	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		FIRE SCOUT MQ-8B	
1. BREAK ALL SHARP EDGES		SCALE 1:5	
.015 x 45° PR .015 R		DATE 2/4/2011	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SHEET 21 OF 32	

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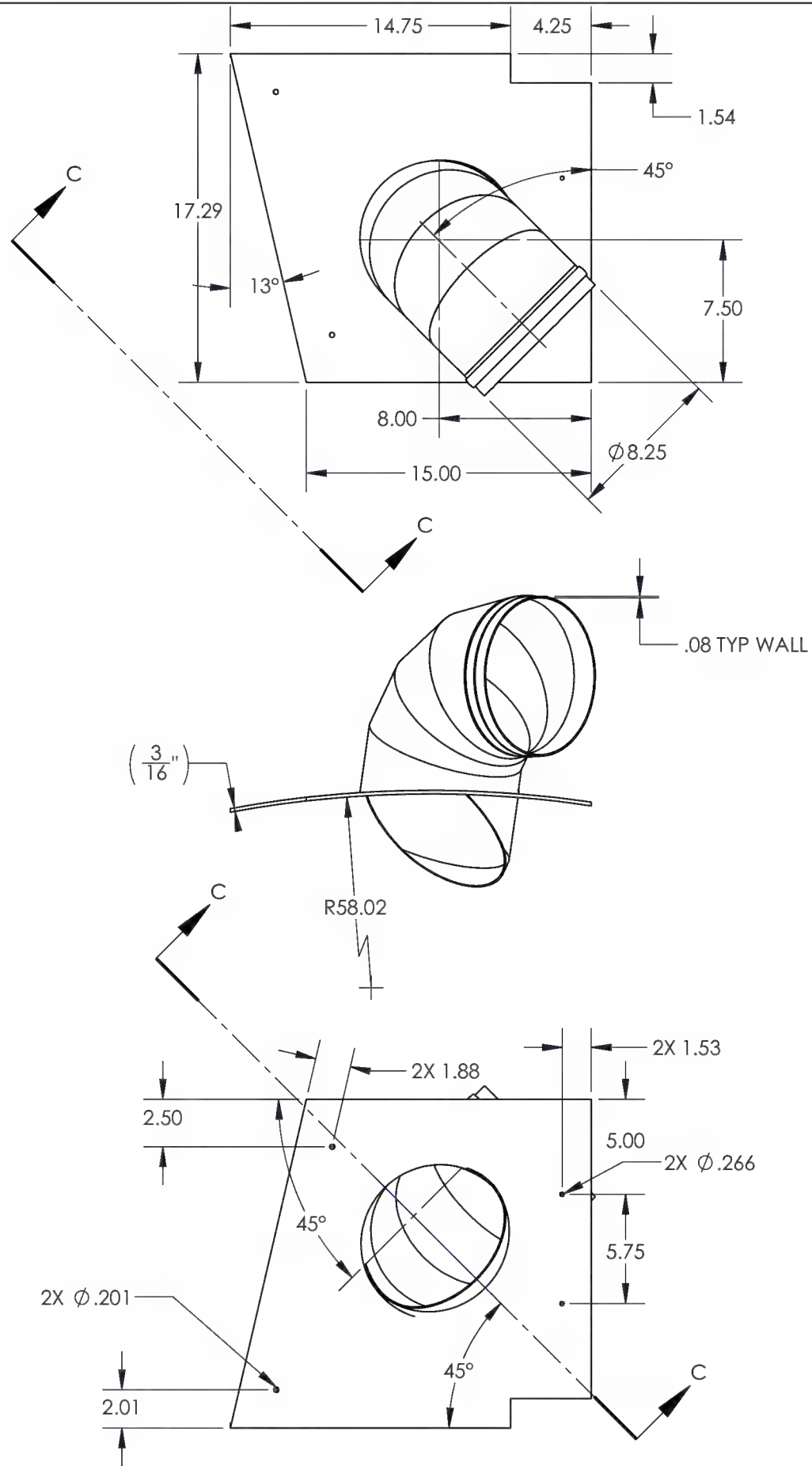
APPLY STENCIL AS SHOWN IN WHITE

NOTE:  
USE LOCKTITE ON FASTENERS -77 AND KNOBS -81.

41  
ENGINE DUCT ASSY

RED BARN MACHINE			
TITLE CONDITIONED AIR ADAPTER SET			
DWG NO. RBT18400-41			REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		TREAT	
.XXX ± .005		FINISH	
.XX ± .01		SPEC	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		FIRE SCOUT MQ-8B	
1. BREAK ALL SHARP EDGES		SCALE 1:8	
.015 x 45° PR .015 R		DATE 2/4/2011	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SHEET 22 OF 32	

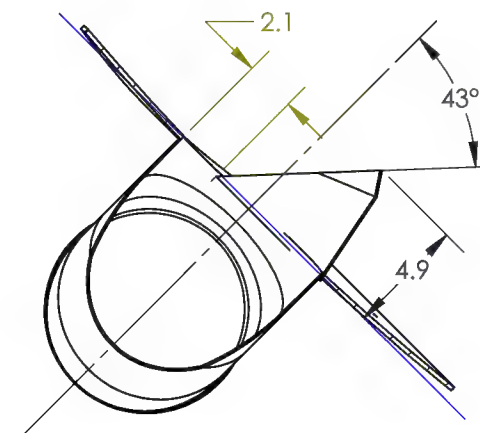
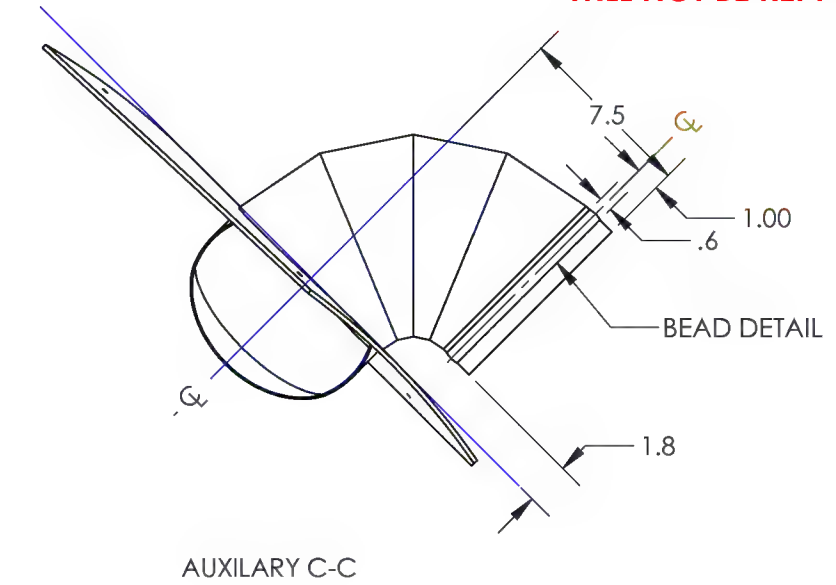
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ENGINE DUCT

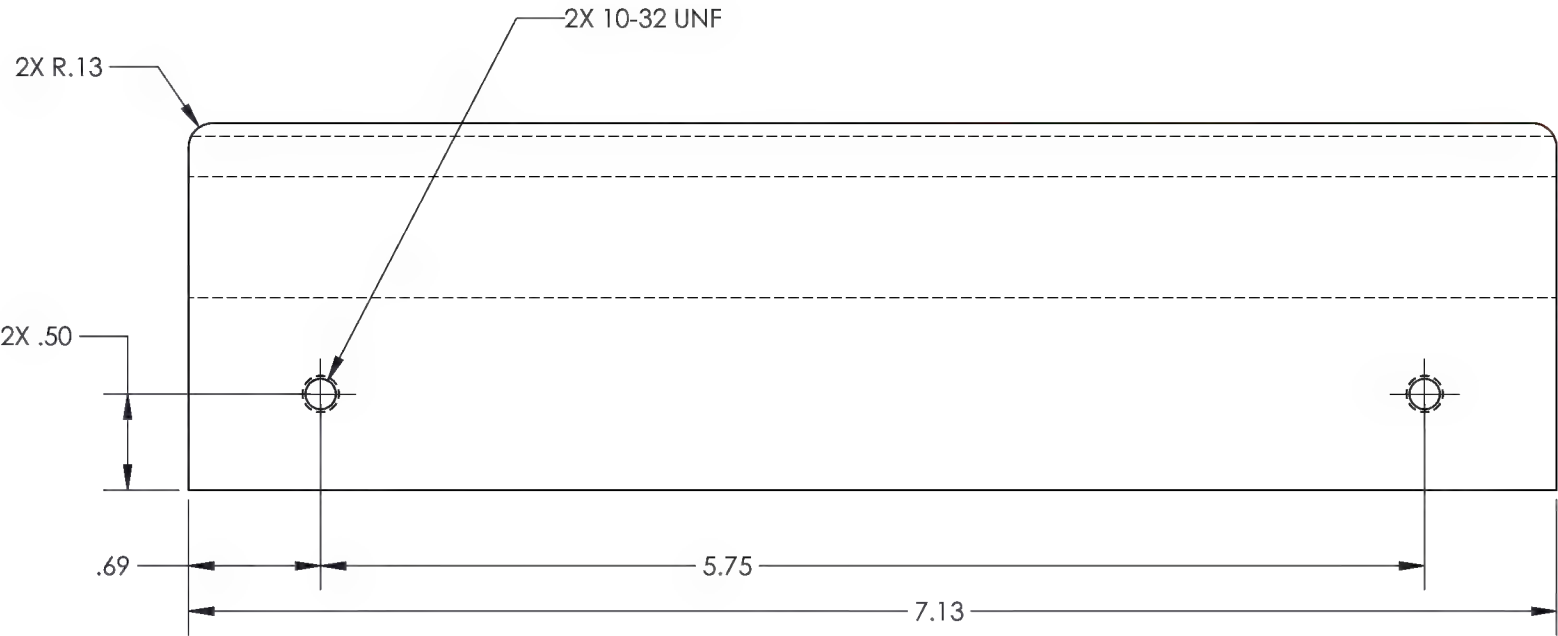
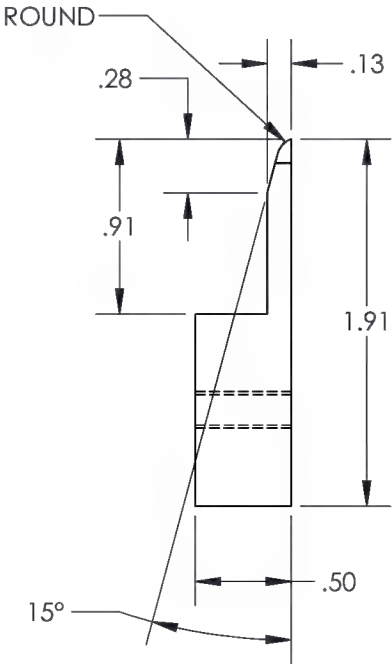
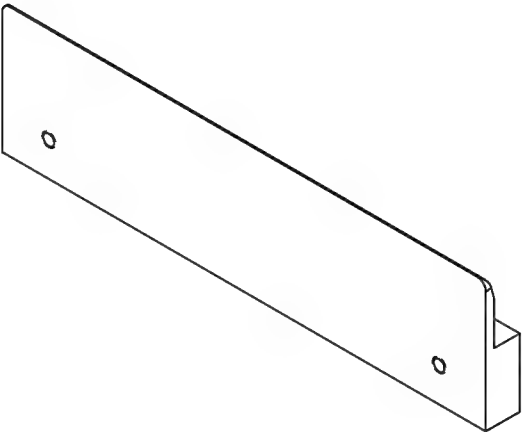
RED BARN MACHINE			
TITLE CONDITION AIR ADAPTOR SET			
DWG NO. RBT18400-43			REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS .XXX ± .005		TREAT FINISH POWDER COAT RED	
.XX ± .01		SPEC RAL 3020	
.X ± .1		USED ON MODEL FIRE SCOUT MQ-8B	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SCALE 1:8	
DATE 2/4/2011		SHEET 23 OF 32	

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(-45)

RETAINER

 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-45	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> SPEC USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 1:1	DATE 2/4/2011
SHEET 24 OF 32	

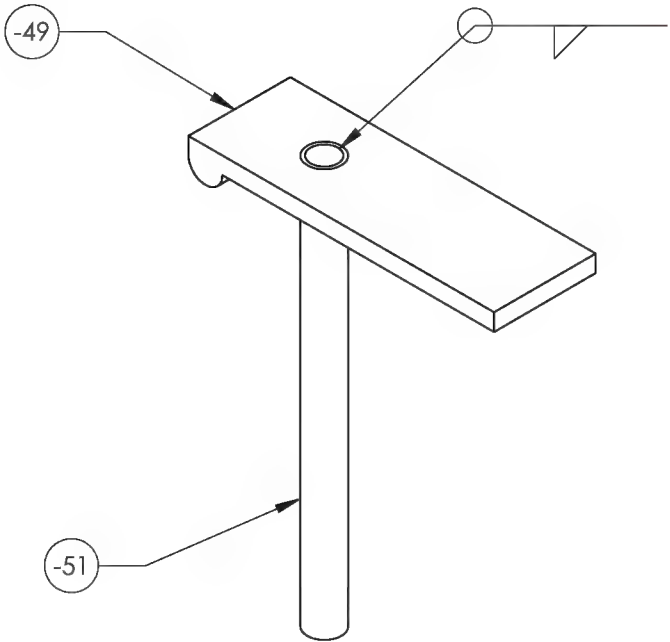


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LATCH WELDMENT

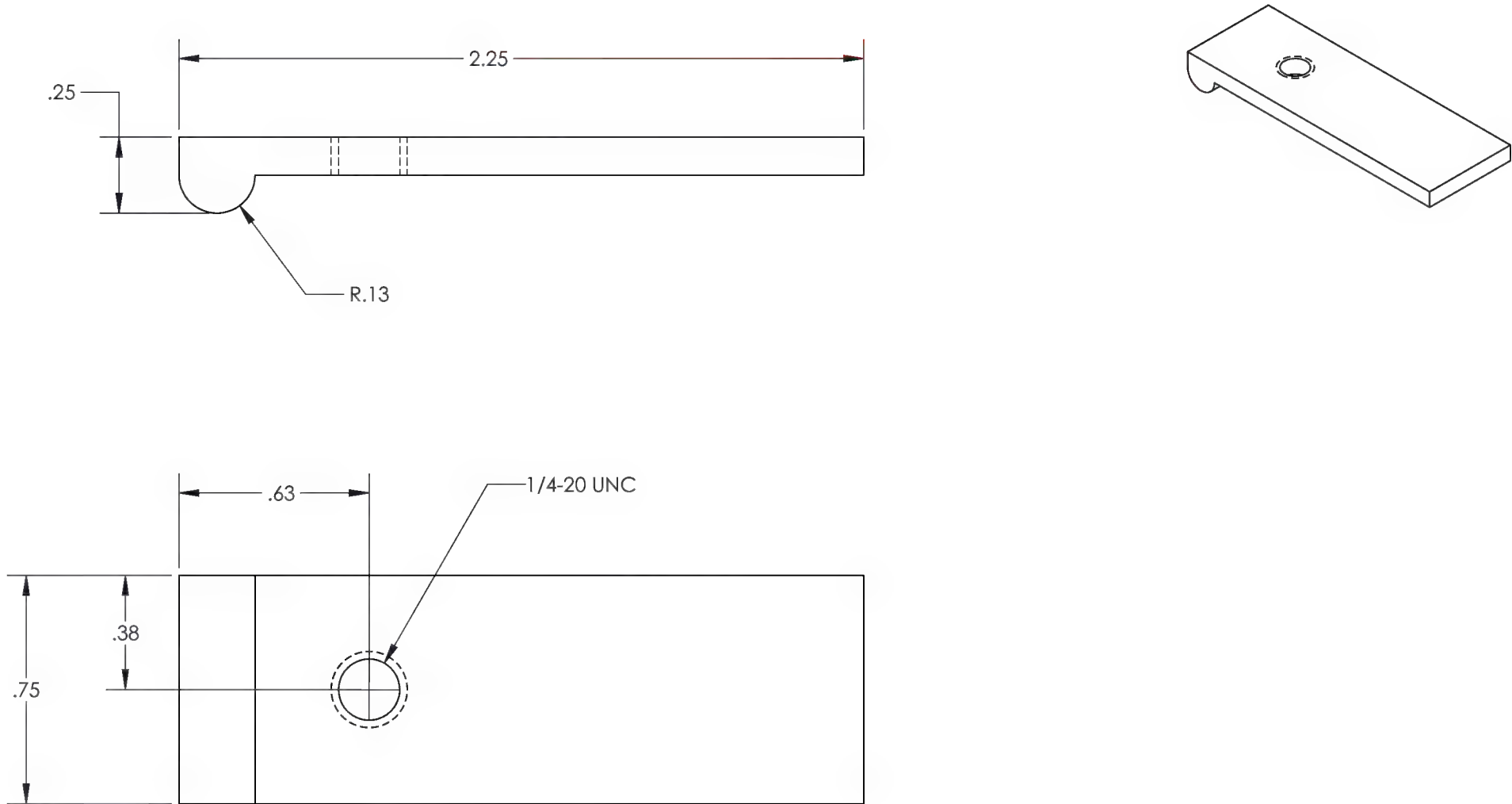
 RED BARN MACHINE		
TITLE CONDITIONED AIR ADAPTER SET		
DWG NO. RBT18400-47		REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT
TOLERANCES ON:		APPROVED <i>D Weil</i>
DECIMALS		HEAT
.XXX ± .005		TREAT
.XX ± .01		FINISH
.X ± .1		SPEC
FRACTIONS ± 1/32		
ANGLES ± .5°		
UNLESS OTHERWISE SPECIFIED		USED ON MODEL
1. BREAK ALL SHARP EDGES		FIRE SCOUT MQ-8B
.015 x 45° PR .015 R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE 1:1	DATE 2/4/2011	SHEET 25 OF 32

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REV	DESCRIPTION	DATE	INITIAL
APPROVED			


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LATCH PLATE

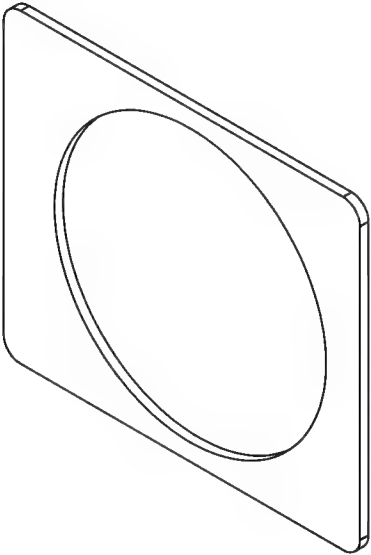
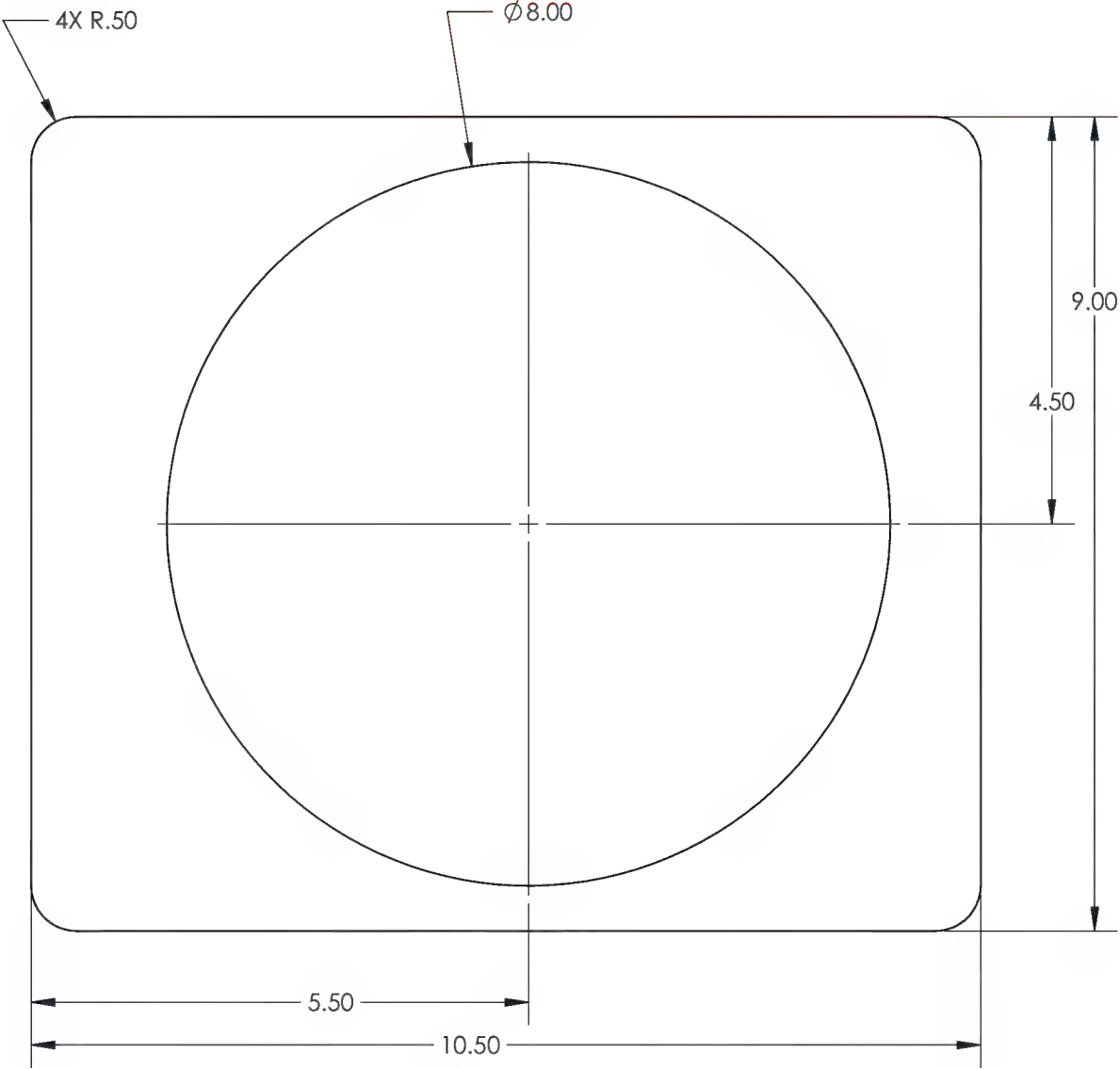
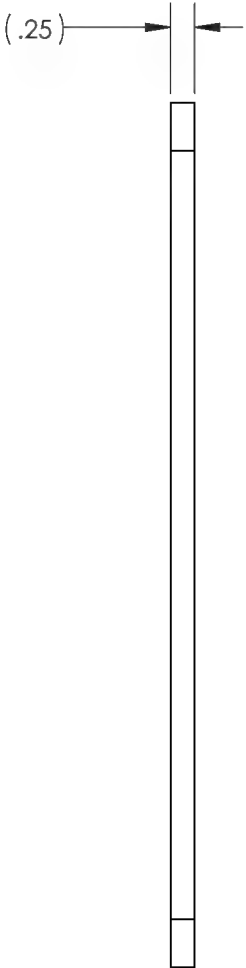
 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-49	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> SPEC USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 2:1	DATE 2/4/2011
SHEET 26 OF 32	

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AVIONICS DUCT FOAM

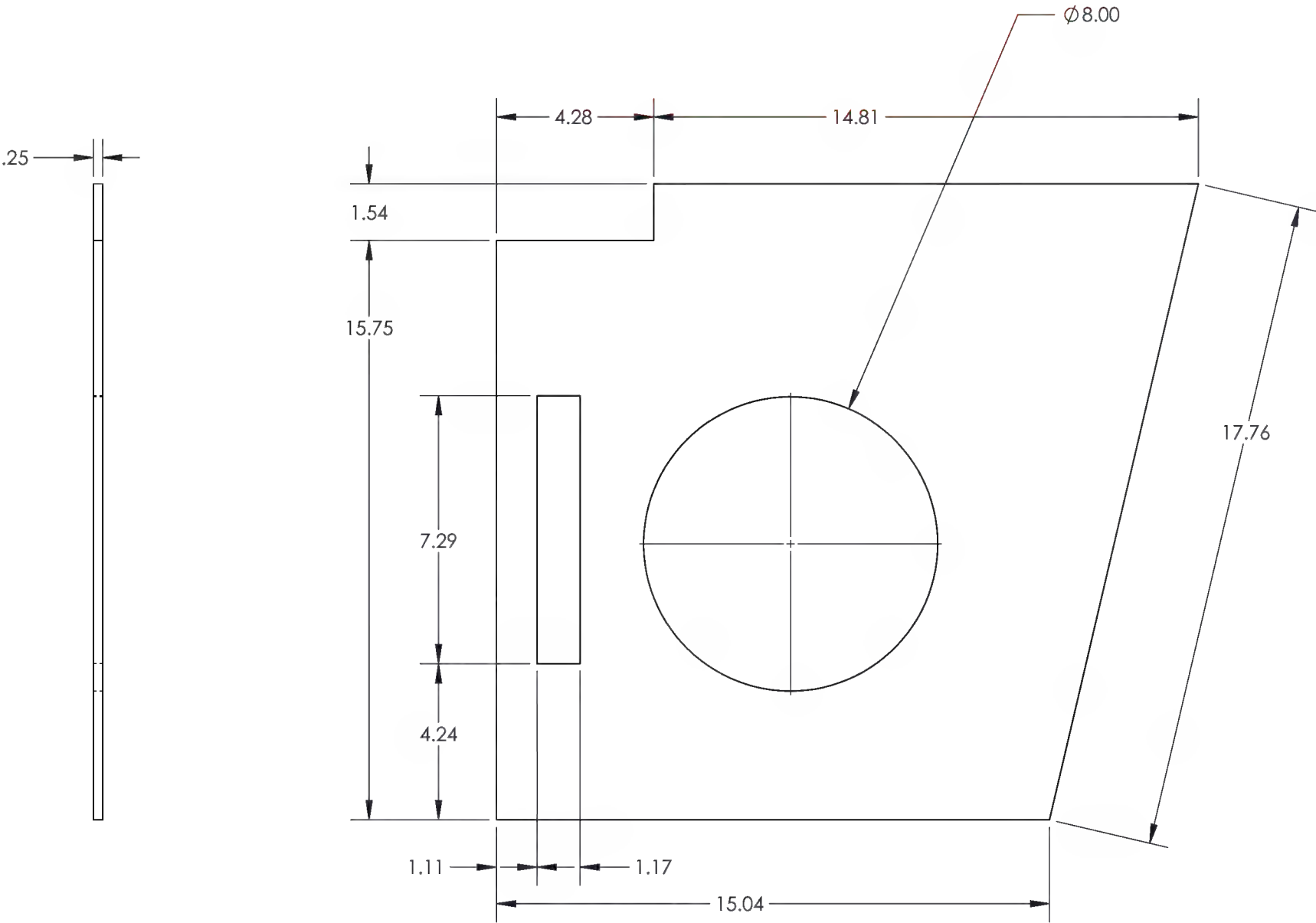
 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-101	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED <i>D Weil</i> SPEC USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 1:2	DATE 2/4/2011
SHEET 27 OF 32	

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ENGINE DUCT FOAM

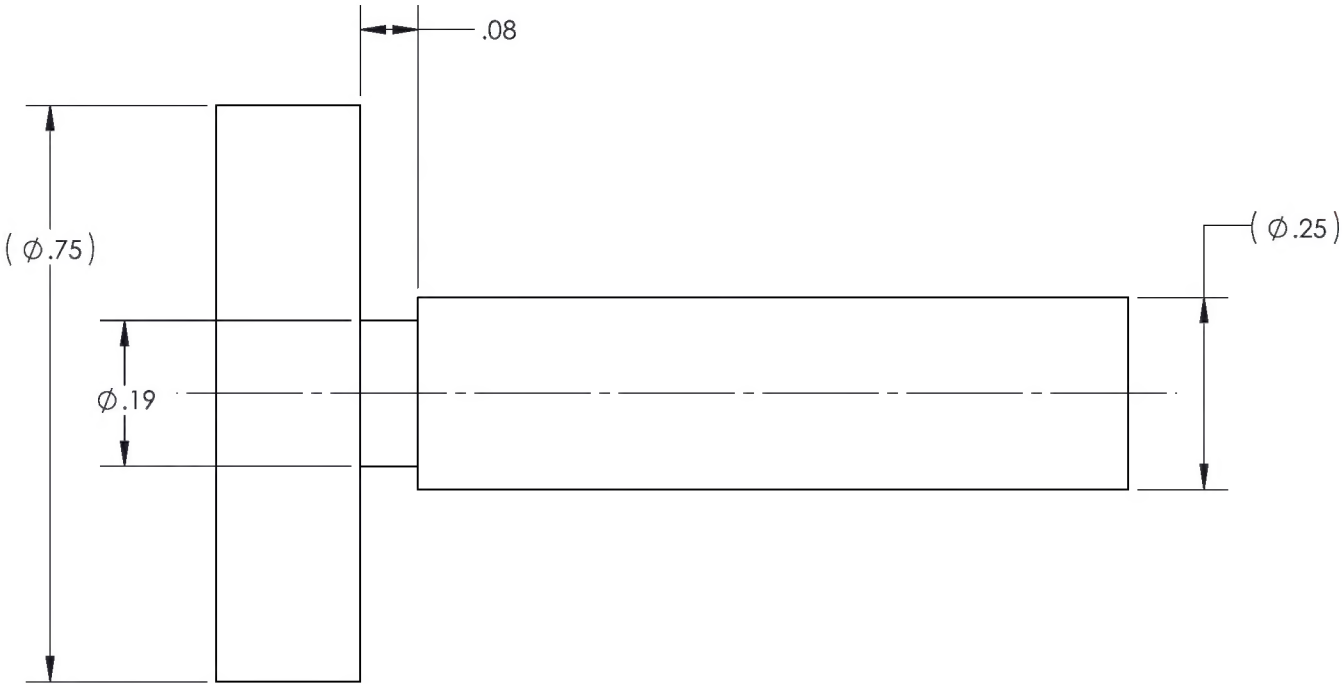
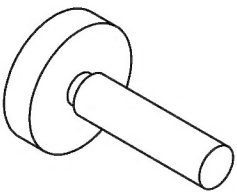
RED BARN MACHINE			
TITLE CONDITIONED AIR ADAPTER SET			
DWG NO. RBT18400-103			REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		TREAT	
.XXX ± .005		FINISH	
.XX ± .01		SPEC	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		FIRE SCOUT MQ-8B	
1. BREAK ALL SHARP EDGES		SCALE 1:4	
.015 x 45° PR .015 R		DATE 2/4/2011	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SHEET 28 OF 32	

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THUMB SCREW

 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-105	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: GILBERT APPROVED <i>D Weil</i> TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 4:1	DATE 2/4/2011
SHEET 29 OF 32	

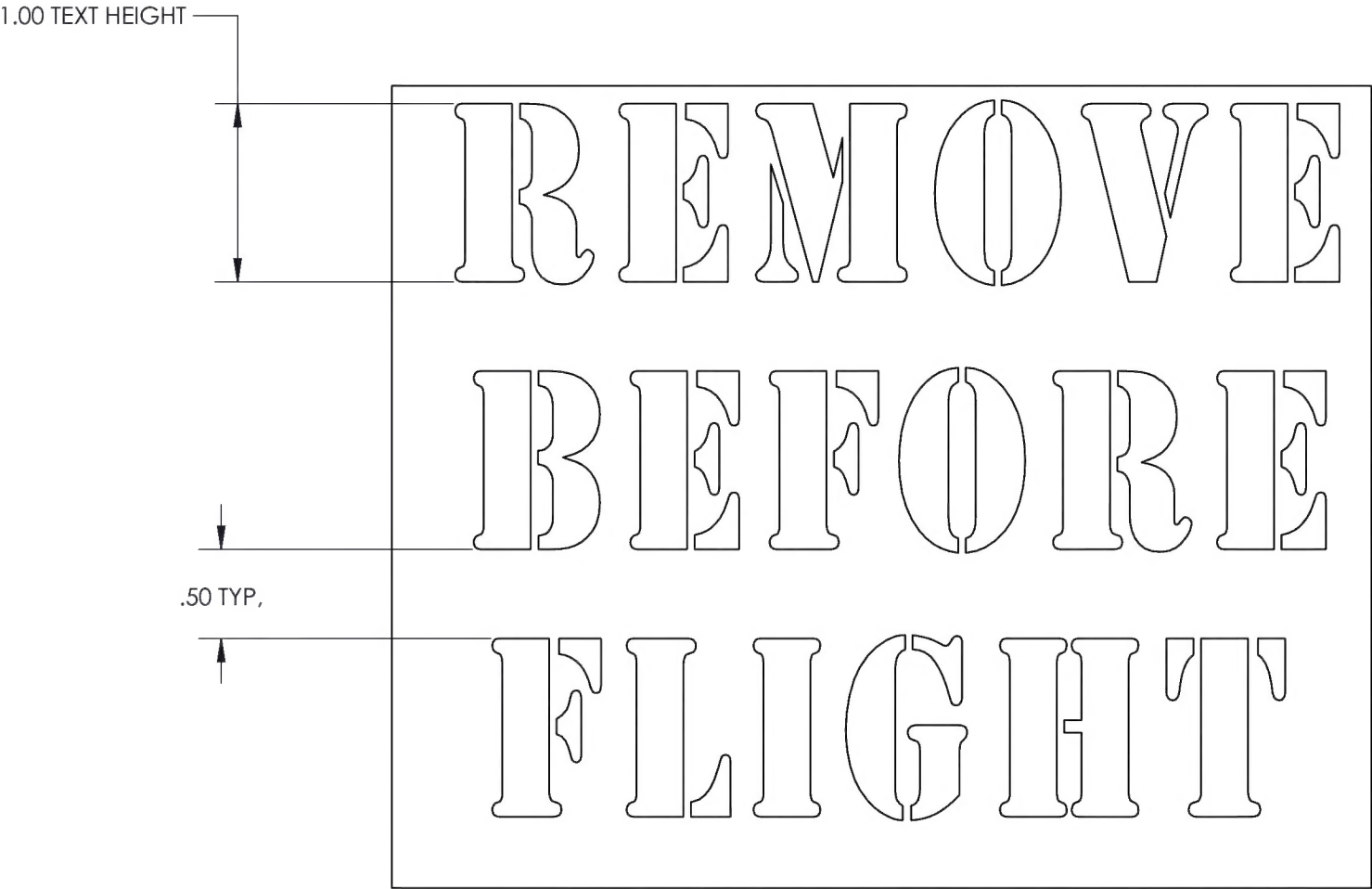


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STENCIL

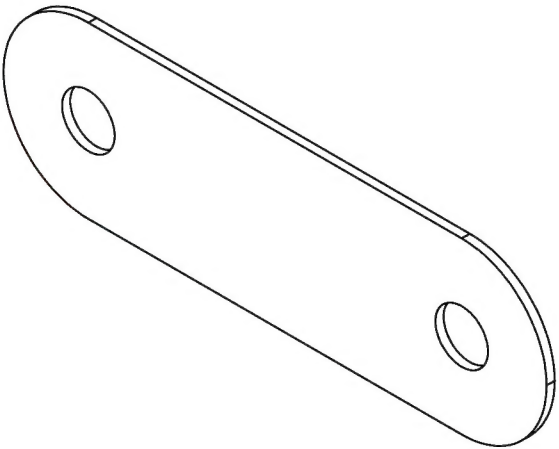
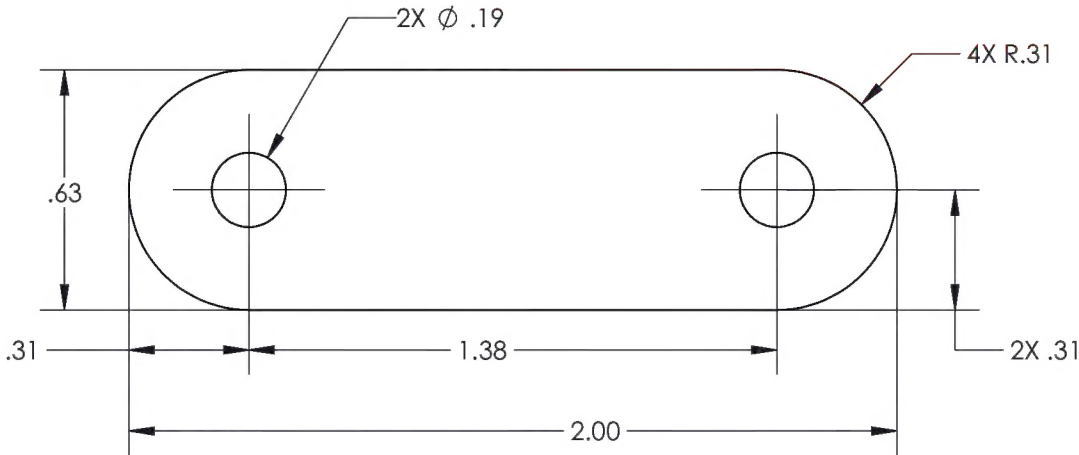
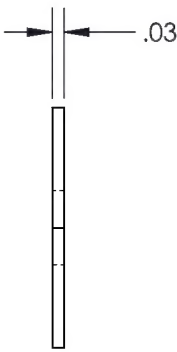
RED BARN MACHINE		
TITLE CONDITIONED AIR ADAPTER SET		
DWG NO. RBT18400-111		REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT
TOLERANCES ON:		APPROVED <i>D Weil</i>
DECIMALS		TREAT
.XXX ± .005		FINISH
.XX ± .01		
.X ± .1		
FRACTIONS ± 1/32		
ANGLES ± .5°		
UNLESS OTHERWISE SPECIFIED		SPEC
1. BREAK ALL SHARP EDGES		
.015 x 45° PR .015 R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
SCALE 1:1		USED ON MODEL
DATE 2/4/2011		FIRE SCOUT MQ-8B
		SHEET 30 OF 32

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HOSE RETAINER

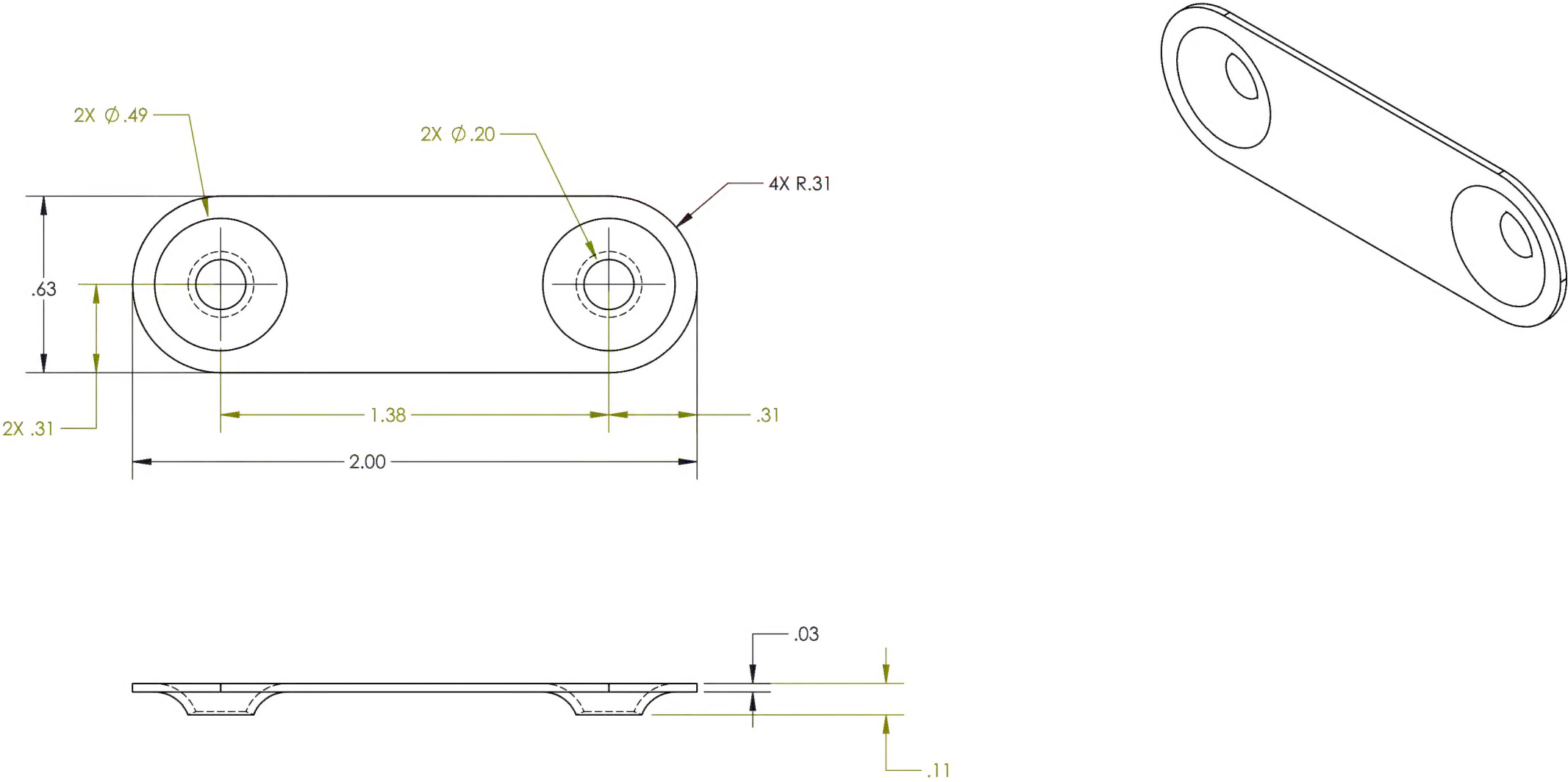
 RED BARN MACHINE	
TITLE CONDITIONED AIR ADAPTER SET	
DWG NO. RBT18400-113	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± .5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> SPEC USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 1:1	DATE 2/4/2011
SHEET 31 OF 32	

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HOSE RETAINER, BOTTOM

RED BARN MACHINE			
TITLE CONDITIONED AIR ADAPTER SET			
DWG NO. RBT18400-115			REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		TREAT	
.XXX ± .005		FINISH	
.XX ± .01		SPEC	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED		FIRE SCOUT MQ-8B	
1. BREAK ALL SHARP EDGES		SCALE 1:1	
.015 x 45° PR .015 R		DATE 2/4/2011	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		SHEET 32 OF 32	